



**Title 11: Mississippi Department of Environmental Quality  
Part 6: Wastewater Pollution Control Regulations  
Part 6, Chapter 9: Mississippi Commission on Environmental Quality,  
Mississippi 2020 Section 303(d) List of Impaired Water Bodies**

**FINAL LIST Version 1.0**

Prepared by  
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## **Title 11: Mississippi Department of Environmental Quality**

### **Part 6: Wastewater Pollution Control Regulations**

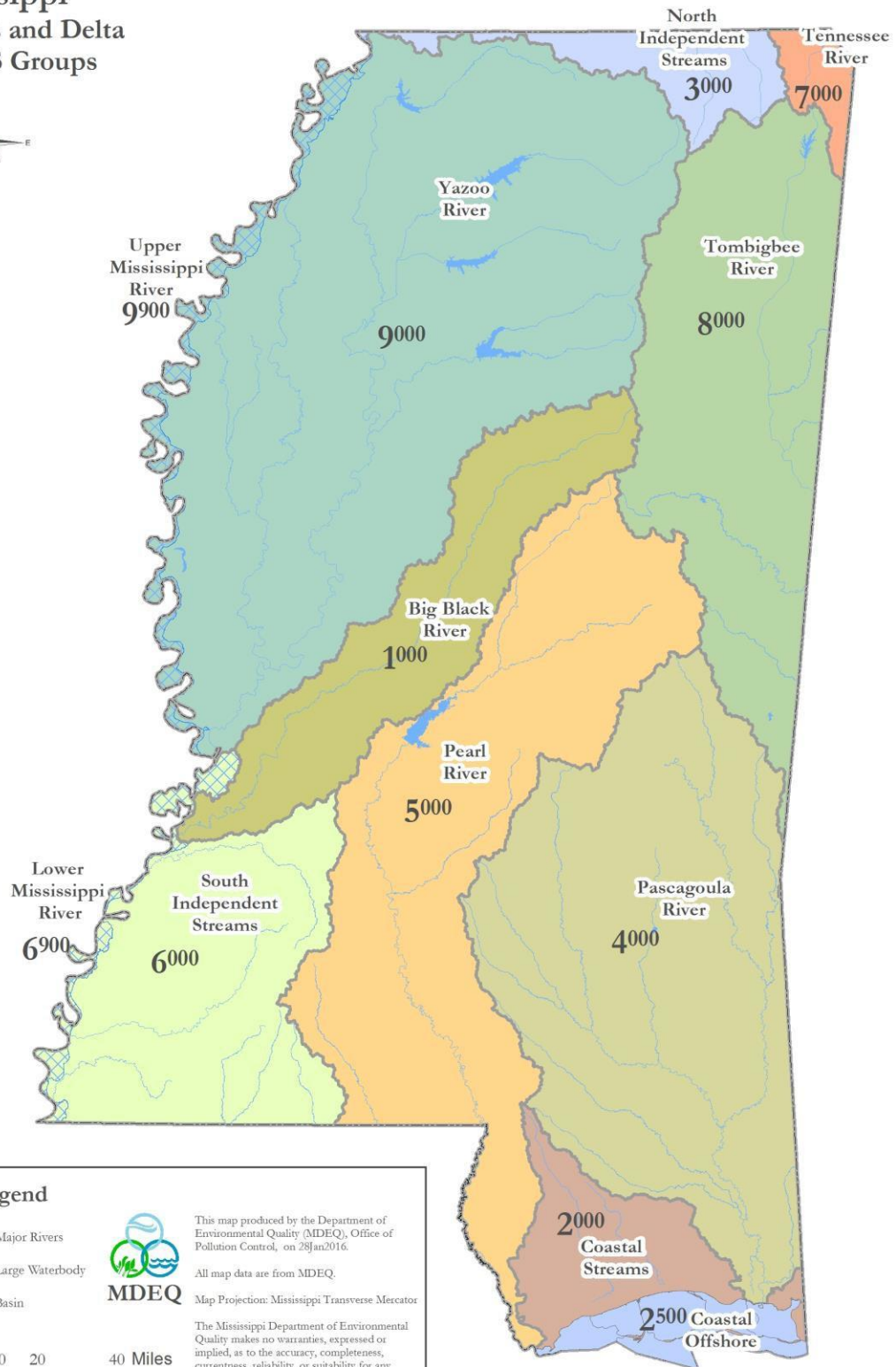
#### **Part 6, Chapter 9: Mississippi Commission on Environmental Quality Mississippi 2020 Section 303(d) List of Impaired Water Bodies**

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# Mississippi River Basins and Delta with MWS Groups



## Legend

- Major Rivers
- Large Waterbody
- Basin



This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, on 28Jan2016.

All map data are from MDEQ.

Map Projection: Mississippi Transverse Mercator

The Mississippi Department of Environmental Quality makes no warranties, expressed or implied, as to the accuracy, completeness, currentness, reliability, or suitability for any particular purpose of the data contained on this map.

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## RULE 9.1 INTRODUCTION

Mississippi's 2020 Section 303(d) List of Impaired Water Bodies fulfills the state's obligation with respect to §303(d) of the Federal Clean Water Act to develop a listing of the state's impaired waters. MDEQ provides two reports, this §303(d) list and a §305(b) report. These are not physically integrated, but the lists are meant to have a one-to-one relationship in that all of the water body segments found in the §305(b) report listed in category 5 are also listed in this document in Table 10 below. These basins are shown on the map on page 4.

1. Big Black River Basin
2. Coastal Streams Basin
3. North Independent Streams Basin
4. Pascagoula River Basin
5. Pearl River Basin
6. South Independent Streams and Lower Mississippi River Basins
7. Tennessee River Basin
8. Tombigbee River Basin
9. Yazoo River and Upper Mississippi River Basins

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## RULE 9.2 REGULATORY REQUIREMENT

Section 303(d) of the Clean Water Act and the implementing federal regulations at 40 C.F.R. §130.7 require the state to identify those waters within its jurisdiction for which effluent limitations are not sufficient to implement one or more applicable water quality standards and for which TMDLs are not yet completed. The state is to establish a priority ranking for such waters, taking into account the severity of the pollution and the designated uses to be made of such waters.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## RULE 9.3 ASSESSMENT METHODOLOGY

### A. Consolidated Assessment Listing Methodology (CALM)

All data used to make formal assessments of the quality of the state's waters, regardless of its source, are evaluated in keeping with the requirements and guidelines in the state's *Mississippi CALM [Consolidated Assessment Listing Methodology] for 2020*, [CALM] (MDEQ, 2020). The 2020 CALM can be found online at:

Monitoring data and information that may be considered when assessing state waters could include chemical, physical, bacteriological, toxicological, and/or biological (e.g., macroinvertebrate, fish, and algal community measurements) data. In addition to using MDEQ-generated data, MDEQ solicits and considers all readily available data and information within the assessment window collected by other Federal, State, local agencies/organizations, and the public. Data generated by MDEQ, other agencies, and individuals should be of the quality necessary to make credible and realistic assessment decisions on the condition of the state's waters. Whenever possible, data needs to be of the highest quality and developed using sampling and analytical protocols and standard operating procedures recognized by state and EPA quality assurance program plans. This data solicitation effort is facilitated through MDEQ's Basin Management Approach.

## **B. Designated Uses**

The water quality assessment process begins with the collection and compilation of the available data followed by the analysis of water quality data and information for the purpose of determining the quality of the state's surface water resources. Surface waters in Mississippi are used for a number of purposes including drinking water supply, shellfish harvesting, recreation, fishing, and aquatic life use support (ALUS). Water bodies are designated and assigned various use classifications by MDEQ in the state's Water Quality Standards (11 Miss. Admin. Code Pt. 6, Ch. 2) {WQS}. This designation is made based on the use(s) of the water body as identified by the public and other entities. The use classifications and associated USEPA designated uses for water quality assessment purposes recognized by the State of Mississippi are given in Table 1.

Table 1 Water Body Classification

<b>Water Body Classification</b>	<b>USEPA Associated Designated Use</b>
Public Water Supply	Drinking Water Supply
Recreation	Contact Recreation
Fish and Wildlife	Aquatic Life Use, Fish Consumption, Secondary Contact Recreation
Shellfish Harvesting	Shellfish Consumption

### **C. Water Quality Standards**

Most of Mississippi's waters are classified as Fish and Wildlife. For each of the water body classifications listed above, there are various water quality criteria that apply to those water body uses. These standards are used in the assessment process. A water body (part or all of a stream, river, lake, estuary or coastline) should support one or more of these uses. Mississippi's WQS specify the appropriate levels for which various water quality parameters or indicators support a water body's designated use(s). Each use assessed for a water body is determined to be either "Attaining" or "Not Attaining" in accordance with the applicable water quality standards and EPA guidelines for assessments pursuant to §305(b). For the 2020 assessments, all monitoring data were collected prior to the approval of the current Water Quality Criteria for Intrastate, Interstate, and Coastal Waters. The applicable criteria was approved in 2016. Mississippi's WQS may be found here:

<https://www.mdeq.ms.gov/water/surface-water/watershed-management/water-quality-standards/>

### **D. Assessment Categories**

After assessing attainment status of the water body's designated use(s), each water body is assigned to an assessment unit that defines the length of the reach assessed and is placed into one of five assessment categories as per EPA guidance. These categories are summarized in Table 2.

Table 2 Assessment Categories

Assessment Categories	Definitions of Categories
Category 1	All uses associated with the Assessment Unit have a use attainment status of “Fully Supporting”
Category 2	All uses associated with the Assessment Unit that have been assessed are “Fully Supporting” but there is insufficient data to determine if remaining designated uses are met
Category 3	Insufficient data to determine whether any designated uses are met
Category 4	More specific categories of 4A, 4B, and 4C are required
4A	TMDL has been completed
4B	Other required control measures will result in attainment of WQS
4C	Impairment or threat not caused by a pollutant
Category 5	Available data indicate that at least one designated use is not being supported and a TMDL is needed
5-alt	Available data indicate that at least one designated use is not being supported, but an alternative restoration approach is being implement rather than development of a TMDL.

The §303(d) list includes streams that are impaired that do not have completed Total Maximum Daily Loads (TMDLs). Once the TMDL is completed, but prior to the stream being restored, MDEQ modifies the assessment category of the stream. An impaired stream without a TMDL is assessed in category 5. A stream with a TMDL, but still impaired, is assessed in category 4A. The §303(d) lists all of the category 5 waters. Completed TMDLs may be found on the TMDL website at:

<https://www.mdeq.ms.gov/wp-content/uploads/TMDLs/>

For a listing of all assessed waters and their assigned category, please see the §305(b) Water Quality Assessment Report listed below:

<https://www.mdeq.ms.gov/water/field-services/water-quality-assessment/>

## E. Monitoring Data

Assessments for 2020 are based on current site-specific monitoring data believed to accurately portray existing water quality conditions. A water body is considered monitored if sufficient (in quantity, quality, and frequency) physical, chemical, biological, bacteriological, and/or fish tissue data were collected and assessed on the water body data from January 1, 2014 to December 31, 2018.

Physical and chemical data include such parameters as pH, temperature, dissolved oxygen, toxicants, turbidity, total dissolved solids (TDS), and specific conductance. Biological data include the community structure of aquatic insects, other macroinvertebrates, fish, and/or algae. Bacteriological data include water column surveys for fecal coliform bacteria, *E coli*, or enterococci bacteria. Fish tissue data include the analyses of fish flesh for the presence of toxic organic chemicals and metals. The length of record of the data, the quality of the data, and the frequency at which the data are collected were considered in making use attainment decisions.

For 2020, MDEQ considered all known and readily available information on the quality of the state's waters in conjunction with the rotating basin approach and MDEQ's §305(b) assessment program. However, only data that allowed for the accurate interpretation of the state's water quality standards or provided compelling evidence were used for §303(d) listing decisions.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## **RULE 9.4 FISH AND SHELLFISH CONSUMPTION ADVISORIES AND IMPAIRED WATERS**

Non-attainment of the fish consumption use was assessed for a water body based on the presence of a fish consumption advisory supported by fish tissue monitoring data. Water bodies with fish consumption advisories, "restricted" or "no consumption," were assessed as not attaining the fish consumption use support designation. A list of fish consumption advisories can be found on the MDEQ website at:

<https://www.mdeq.ms.gov/water/field-services/fish-advisories-fish-tissue-and-fishing-bans/>

Coastal water bodies with the Shellfish designated use that have consumption advisories are not included in the 2020 §303(d) List because these waters already have completed TMDLs for pathogens. These waters have a category 4A in the state's §305(b) report. These TMDLs are available for review on MDEQ's website.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## **RULE 9.5 LAYOUT OF THE TABLES**

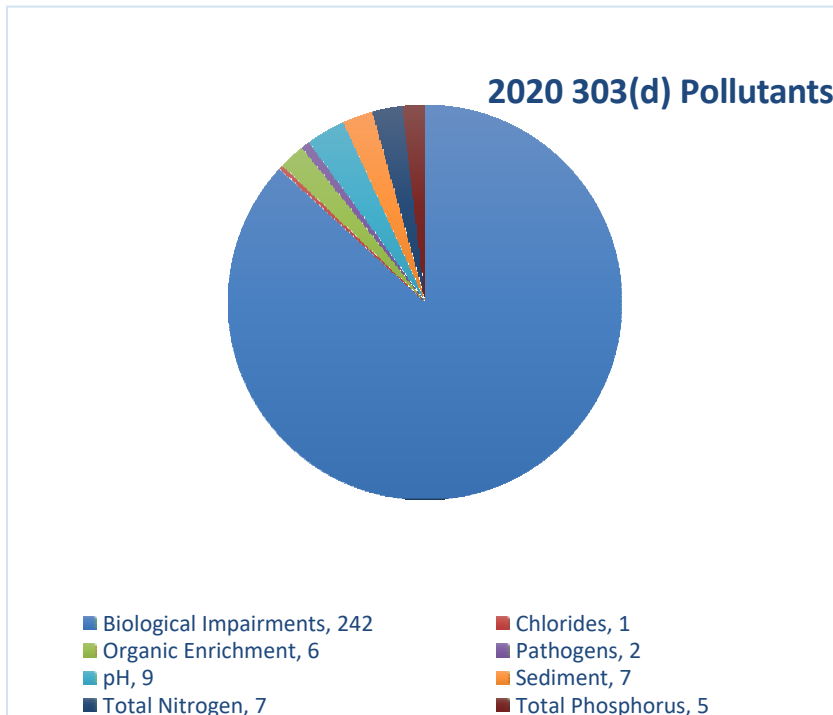
### **A. Stream Listings**

The impaired waters in Tables 3-5 below are sorted alphabetically by the river basin then by the water body name. The extent of the segment is described beginning with the upstream boundary thence to the downstream boundary. The maps of these segments are located in Appendix A.



## B. Pollutants Included

The pollutants are listed specifically for each listing. There are 279 listings for 2020. Biological Impairment is listed 242 times (86.7%). This listing is generated based on assessing the result of our benthic sampling program M-BISQ. When the water body is scored below the eco-regional value, it is added to the impaired waters list. A stressor identification process is then used to identify the specific pollutants causing the microbiological impairment. Organic Enrichment, Total Nitrogen, and Total Phosphorus listings are for excessive nutrients or organics which impact the dissolved oxygen and eutrophication in the water body. The pH listings are from water monitoring results which are outside of the water quality criteria for pH. If there are multiple pollutants and/or uses for a water body, these are shown as multiple listings for the water body.



## C. Pollutant Source

Due to the nature of the monitoring and listings for 2020, the source of the impairment is generally not known. For the biological listings a stressor identification process is required to identify probable primary stressors. Once identified, these probable primary stressors are incorporated into the §303(d) List and the biological impairment listing is removed.

## D. Water Body Identification Numbers

MDEQ and USGS completed work on the new 12-digit watershed-based delineation of Mississippi in 2005. MDEQ incorporated this new delineation into the identification numbering system for water body segments in the states beginning with the 2006 §305(b) report. Each listed water body segment is identified by a six-digit numeric code. The first digit identifies which basin contains the water body. The major river basins are numbered 1 through 9 in alphabetical order (1 for the Big Black River Basin, 2 for the Coastal Streams Basin, through 9 for the Yazoo Basin.) [See map on page 4.] The next three digits in the six-digit water body identification number refer to the specific subwatershed within that basin. Each major river basin has the subwatersheds it contains numbered beginning with 1 (subwatershed 146 located in the Big Black River Basin would be numbered 1146, subwatershed 74 located in the Pascagoula River Basin would be numbered 4074.) The final two digits in the six-digit water body identification number refer to a specific

stream segment within the specified subwatershed. For instance, Beaver Creek, water body ID 521413, is stream segment 13 in subwatershed 214 in the Pearl River Basin.

## **E. Basin Maps**

Maps are included in Appendix A for each basin. Streams shown in blue are the impaired stream segments. In some river basins, the maps were split into 8-digit Hydrologic Unit Codes to better fit the page.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

# **RULE 9.6 CHANGES MADE FOR 2020**

Table 3 provides the changes proposed for 2020 including completed TMDLs since 2018, the monitored streams that are delisted because they are now fully supporting, and other changes made to the list. In addition, the federal NTTS TMDL tracking information are provided. The National TMDL Tracking System (NTTS) number is provided by EPA after the TMDL is finalized and approved. This becomes the identification number for that TMDL report. Full supporting documentation for delisting decisions is available on our website at:

<https://www.mdeq.ms.gov/water/surface-water/tmdl/delisting>

For a more detailed description of the data and assessment steps taken, please refer to the state's §305(b) report. This report to Congress reviews all of the data collected and reports results both attaining and non-attaining on the states waters.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## **A. Pollutant Change**

A listing of Biological Impairment indicates that the waterbody is not fully supporting its aquatic life use. For these waterbodies, a Stressor Identification is required to determine the probable primary cause(s) of the impairment. In many cases the stressor is determined and a TMDL is immediately developed. However, if the Stressor Identification and TMDL approval do not fall in the same listing cycle a pollutant change is required. The waterbodies in Table 3 below have been subject to a Stressor Identification and will require a TMDL for the prescribed pollutant in the future.

Table 3. Pollutant Change

Basin	Water Body Name	Water Body ID	County	Location	Pollutant(s)
South Independent	Storm Creek	602811	Claiborne	Near Carlisle from headwaters to mouth at Bayou Pierre	Sediment
Tombigbee River	Chinchanoma Creek	812811	Oktibbeha	From headwaters to mouth at Noxubee River	Sediment
Tombigbee River	Shaw Creek	812313	Oktibbeha	From headwaters to mouth at Noxubee River	Sediment
Tombigbee River	Spring Creek	809312	Clay	From headwaters to mouth at Tenn-Tom Waterway	Sediment
Tombigbee River	Unnamed Tributary to Catalpa Creek	809012	Lowndes	Near Stephens from headwaters to mouth at Catalpa Creek	Total Nitrogen, Total Phosphorus and Sediment
Tombigbee River	Unnamed Tributary to Gilmer Creek	810412	Lowndes	Near Artesia from headwaters to mouth at Gilmer Creek	Sediment
Tombigbee River	Yellow Creek	813211	Winston, Noxubee	Near Betheden from headwaters to the Noxubee River	Sediment
Yazoo River	Clear Creek	904611	Lafayette	From headwaters to confluence of Hudson Creek	Sediment
Yazoo River	Hudson Creek	904612	Lafayette	Near Sardis from headwaters to mouth at Clear Creek	Sediment
Yazoo River	Jasper Creek	900511	Union	Near New Albany from headwaters to mouth at Little Tallahatchie River	Sediment
Yazoo River	Medlock Branch	902514	Tippah	From headwaters to mouth at North Tippah Creek	Sediment
Yazoo River	North Tippah Creek	902512	Tippah	Near Ripley from confluence with Medlock Branch to mouth at Tippah River	Sediment
Yazoo River	North Tippah Creek	902515	Tippah	Near Ripley from headwaters to mouth at confluence with Medlock Branch	Sediment
Yazoo River	South Tippah Creek	902513	Tippah	From headwaters to mouth at Tippah River	Sediment

### B. Changes to the List this Cycle (TMDL Complete, Delistings)

The waters in Table 4. Below have been removed from the current list because they have been included in a TMDL, have been found to support the designated use, or as a correction.

Table 4. Delistings this Cycle

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Big Black River	Big Black River	100111	Webster, Choctaw	Aquatic Life Use Support	Sediment	Near Mathiston from Headwaters to MWS 1003	TMDL developed by MDEQ and approved by EPA 3/29/2019 (MS_Big_Black_Sediment)
Big Black River	Jordan Creek	102911	Holmes	Aquatic Life Use Support	Biological Impairment	Near Hoffman from headwaters to mouth at Big Black River	Waterbody Attaining Use
Big Black River	Middle Bywy Creek	10911	Choctaw	Aquatic Life Use Support	Sediment	From the headwaters to the mouth at Big Bywy Ditch	TMDL developed by MDEQ and approved by EPA 3/29/2019 (MS_Big_Black_Sediment)
Big Black River	Unnamed Tributary to Pigeon Roost Creek	100411	Oktibbeha	Aquatic Life Use Support	Sediment	From headwaters to the mouth at Pigeon Roost Creek	TMDL developed by MDEQ and approved by EPA 3/29/2019 (MS_Big_Black_Sediment)
Coastal Streams	Bayou Cumbest	200311	Jackson	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	From County Roast East of Orange Grove to mouth at Point Aux Chenes Bay	TMDL proposed by EPA
Coastal Streams	Gulf Park Estates Beach	250411	Jackson	Aquatic Life Use	Total Nitrogen	Near Ocean Springs from Pelican Ave to Deer Street	TMDL not appropriate. No longer monitored due to change in use
Pascagoula River	Houston Creek	400312	Neshoba, Kemper	Aquatic Life Use Support	Biological Impairment	At Rio from headwaters to mouth at Okatibbee Creek	Waterbody Attaining Use
South Independent	Thompson Creek	611311	Wilkinson	Aquatic Life Use Support	Sediment	Near Centerville from headwaters to LA state line	Waterbody Attaining Use
Yazoo River	Ascalmore Creek	918411	Tallahatchie	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence of Shook Creek	TMDL developed by MDEQ and approved by EPA 4/17/2008 (908041701)

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Yazoo River	Bynum Creek	907711	Panola	Aquatic Life Use Support	Biological Impairment	Near Water Valley from headwaters to Enid Lake Flood Pool	Waterbody Attaining Use
Yazoo River	Beaver Bayou	935312	Bolivar, Sunflower	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	From headwaters to MWS 9360 Boundary	TMDL developed by MDEQ and approved by EPA 3/20/2020 (MS_Beaver_Bayou_DO)
Yazoo River	Beaver Bayou	936012	Bolivar, Sunflower	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	From MWS Boundary 9020 to MWS 9019	TMDL developed by MDEQ and approved by EPA 3/20/2020 (MS_Beaver_Bayou_DO)
Yazoo River	Cypress Creek	902111	Lafayette	Aquatic Life Use Support	Biological Impairment	Near Etta from MWS boundary 9020 to MWS 9019	TMDL developed by MDEQ and approved by EPA 4/17/2008 (908041701)
Yazoo River	Eagle Lake	948812	Warren	Aquatic Life Use Support	Organic Enrichment / Low Dissolved Oxygen	Entire lake near Eagle Bend	Waterbody Attaining Use
Yazoo River	Eagle Lake	948812	Warren	Aquatic Life Use Support	Total Phosphorus	Entire lake near Eagle Bend	Waterbody Attaining Use
Yazoo River	Greasy Creek	904511	Lafayette, Panola, Tate	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Sardis Lake	Waterbody Attaining Use
Yazoo River	Skuna River Canal	915212	Calhoun	Aquatic Life Use Support	Biological Impairment	From MWS 9150 boundary to confluence with Kittyhutta Creek	Waterbody Attaining Use



### C. Alternative Action Plans (Category 5 alt, Category 4B, Category 4C)

EPA's current vision for the Clean Water Act 303(d) program provides a more updated and collaborative framework for implementation of the program. In particular, it encourages focusing attention on priority waters and acknowledges states have flexibility in using available tools beyond TMDLs to attain water quality restoration and protection. In the Integrated Reporting Guidance (IRG) issued in 2016, EPA acknowledged the most effective method for achieving water quality restoration or protection may be through controls developed and implemented in advance of a TMDL. The IRG specifically defined the sub-category 5-alt in which actions are taken in advance of a TMDL may be more effective than a TMDL in achieving the goal of attaining water quality necessary to support a designated use for impaired waters. If an alternative approach does not show progress in achieving water quality improvement the impaired segment will be reprioritized for TMDL development. The waters listed as 5-Alt in Table 5 below have been the focus of a collaborative effort between MDEQ and the Natural Resources Conservation Service (NRCS) as part of the National Water Quality Initiative that assess sources, loadings, and success measures necessary to achieve water quality standards.

IRG also provides and explanation of Category 4C. A water may be placed in Category 4C if data indicate that at least one designated use is not being met, but the impairment is not caused by a pollutant, but by pollution. For example, aquatic life use is not supported due to hydrologic alteration or habitat alteration. Turkey Creek is being assigned to Category 4C due to hydrologic alteration that has resulted in a drastically reduced drainage area. More information is available in delisting package that can be found at the link listed above.

Table 5. Alternative Action Plans (5-Alt, 4C)

Basin	Water Body Name	Water Body ID	County	Pollutant	Category	Location
Yazoo River	Clear Creek	904611	Lafayette	Sediment	5-Alt	From Headwaters to confluence with Hudson Creek
Yazoo River	Hudson Creek	904612	Lafayette	Sediment	5-Alt	Near Sardis from Headwaters to mouth at Clear Creek
Yazoo River	Medlock Branch	902514	Tippah	Sediment	5-Alt	From Headwaters to Mouth at North Tippah Creek
Yazoo River	North Tippah Creek	902512, 902515	Tippah	Sediment	5-Alt	From Headwaters to confluence with Medlock Branch, From Medlock Branch to mouth at Tippah River
Yazoo River	South Tippah Creek	902513	Tippah	Sediment	5-Alt	From headwaters to mouth at Tippah River
Coastal Streams	Turkey Creek	202211	Harrison	Biological Impairment	4C	From confluence with Canal Number 2 to HWY 49 bridge

The 2008 IRG provided additional guidance on assigning waters to Category 4B. This guidance recognized that alternative pollution control measures may obviate the need for a TMDL. Specifically, segments are not required to be included on the 303(d) List if "other pollution control requirements by local, State, or Federal Authority" are stringent enough to implement applicable water quality standards. Table 6. Details the waters assigned to Category 4B for 2020.

Table 6. Alternative Action Plans (4B)

Basin	Water Body Name	Water Body ID	County	Impaired Use	Pollutant	Location	Corrective Action
Big Black River	Unnamed Tributary to Pigeon Roost Creek	100411	Oktibbeha	Aquatic Life Use Support	Total Nitrogen, Total Phosphorus	From headwaters to mouth at Pigeon Roost Creek	Facility upgrades are expected to result in attainment of Water Quality Standards
Big Black River	Middle Bywy Creek	100911	Choctaw	Aquatic Life Use Support	Increased Ionic Strength/Toxicity	From headwaters to mouth at Big Bywy Ditch	A process change is expected to result in attainment of Water Quality Standards

## D. New Listings (Category 5)

The waters listed in Table 7 are the new additions to the 303(d) List.

Table 7. New Additions

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Big Black River	Kyle Creek	102811	Holmes	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Big Black River
Big Black River	Markham Creek	108011	Warren	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Big Black River
Coastal Streams	Bayou La Terre	204112	Hancock	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Unnamed Tributary
North Independent Streams	Coon Creek	301312	Alcorn	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Tuscumbia River Canal
North Independent Streams	UNT North Prong Muddy Creek	302013	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Muddy Creek
Pascagoula River	Penders Creek	400412	Kemper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Chickasawhay Creek
Pascagoula River	Reese Creek	416212	Forest	Aquatic Life Use Support	Biological Impairment	From Temple Rd to mouth at Leaf River
Pearl River	White Sand Creek	516111	Jefferson Davis	Aquatic Life Use Support	Biological Impairment	From confluence with Little White Sand Creek (Jaybird Creek) to mouth at Pearl River
Tombigbee River	Black Creek	810013	Lowndes	Aquatic Life Use Support	Biological Impairment	From headwaters to end near MWS 8207 boundary

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Tombigbee River	Greens Creek	810312	Lowndes	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Tombigbee River
Tombigbee River	Little Wolf Creek	818812	Prentiss	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Wolf Creek
Tombigbee River	Mineral Springs Branch	817312	Kemper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Blackwater Creek
Tombigbee River	Minga Branch	806612	Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Mill Creek
Tombigbee River	Mubby Creek	820011	Pontotoc	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Chiwapa Creek
Tombigbee River	Tadpole Creek	803112	Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to Aberdeen Lake
Tombigbee River	Talking Warrior Creek	812711	Oktibbeha	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 8128 boundary
Yazoo River	Pelucia Creek	919311	Carroll	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 9192 boundary

## E. TMDL Successes (Category 4a to Category 2)

The objective of any TMDL is to determine the loading capacity of the waterbody and to allocate that load among different pollutant sources so that the appropriate control actions can be taken and water quality standards achieved. The TMDL process is important for improving water quality because it serves as a link in the chain between water quality standards and implementation of control actions designed to attain those standards. The waters listed in Table 8 have been the subject of one or more TMDLs and through corrective action to reduce the pollutant load are now successfully supporting the designated use. Maps of the TMDL Successes can be found in Appendix B.

Table 8. TMDL Successes

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Big Black River	Big Bywy Creek	100811	Choctaw	Aquatic Life Use Support	Total Nitrogen	Near Stewart from headwaters to mouth at McCurtain Creek	TMDL Complete 04/30/2007
Big Black River	Big Bywy Creek	100811	Choctaw	Aquatic Life Use Support	Total Phosphorus	Near Stewart from headwaters to mouth at McCurtain Creek	TMDL Complete 04/30/2007

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Big Black River	Big Bywy Creek	100811	Choctaw	Aquatic Life Use Support	OE/ Low DO	Near Stewart from headwaters to mouth at McCurtain Creek	TMDL Complete 04/30/2007
Big Black River	Big Bywy Creek	100811	Choctaw	Aquatic Life Use Support	Sediment	Near Stewart from headwaters to mouth at McCurtain Creek	TMDL Complete 01/26/2007
North Independent Streams	Horn Lake Creek	303411	De Soto	Aquatic Life Use Support	Nutrient Pollution	At Hernando from headwaters to Tennessee Line	TMDL Complete 04/01/2006
North Independent Streams	Horn Lake Creek	303411	De Soto	Aquatic Life Use Support	Organic Enrichment / Low Dissolved Oxygen	At Hernando from headwaters to Tennessee Line	TMDL Complete 04/01/2006
North Independent Streams	Horn Lake Creek	303411	De Soto	Aquatic Life Use Support	Sediment	At Hernando from headwaters to Tennessee Line	TMDL Complete 11/30/2005
North Independent Streams	Horn Lake Creek	303411	De Soto	Aquatic Life Use Support	Total Phosphorus	Near Walls from headwaters to MS/TN stateline	TMDL Complete 04/01/2006
Pascagoula River	Beaver Dam Creek	419511	Forest, Perry	Recreation	Pathogens	Near Maxie from confluence with Bowens Buy Creek at MWS boundary 4194 to MWS boundary 4196	TMDL Complete 12/15/1999
Pascagoula River	Chickasaway River	405911	Clarke, Wayne	Recreation	Pathogens	At Shubuta from MWS boundary 4056 at County Road 275 to confluence with Eucutta Creek	TMDL Complete 12/15/1999
Pascagoula River	Pascagoula River	418111	Jackson	Aquatic Life Use Support	Pathogens	From MWS boundary 4176 to MWS boundary 4182	TMDL Complete 12/15/1999
Pascagoula River	West Little Thompson Creek	415112	Wayne	Aquatic Life Use Support	Sediment	Near Good Hope from headwaters to mouth at Thompson Creek	TMDL Complete 05/18/2005
Pearl River	Clabber Creek	521412	Pike	Aquatic Life Use Support	Sediment	Near Johnstons Station from headwaters to Bogue Chitto River	TMDL Complete 03/25/2009
Pearl River	Clear Creek	521512	Pike	Aquatic Life Use Support	Pathogens	From headwaters to mouth at Bogue Chitto River	TMDL Complete 05/14/2010
South Independent	Crooked Creek	609011	Wilkinson	Aquatic Life Use Support	sediment	Near Darrington from headwaters to mouth at Homochitto River	TMDL Complete 03/25/2009
South Independent	James Creek	604211/ 604311	Claiborne	Aquatic Life Use Support	sediment	Near Lorman from headwaters to mouth at Bayou Pierre	TMDL Complete 03/25/2009
South Independent	Little Bayou Pierre	603111/ 603211/ 603311	Copiah, Jefferson, Claiborne	Aquatic Life Use Support	sediment	Near Port Gibson from headwaters to mouth at Bayou Pierre	TMDL Complete 03/25/2009

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
South Independent	Pretty Creek	608311	Adams	Aquatic Life Use Support	sediment	Near Ireland from headwaters to mouth at Homochitto River	TMDL Complete 03/25/2009
South Independent	Richardson Creek	607911	Franklin	Aquatic Life Use Support	Sediment	Near Bunkley from headwaters to mouth at Homochitto River	TMDL Complete 03/25/2009
South Independent	Second Creek	609111/ 609211	Adams	Aquatic Life Use Support	Sediment	Near Doloroso from headwaters to Homochitto River	TMDL Complete 03/25/2009
Yazoo River	Abiaca Creek	991711/ 919811/ 920011	Carroll	Aquatic Life Use Support	Sediment	At Seven Pines from confluence with Coila Creek to MWS boundary 9201	TMDL Complete 04/15/2008
Yazoo River	Bee Lake	941711	Holmes	Aquatic Life Use Support	Sediment	Entire lake in Holmes County	TMDL Complete 06/30/2003
Yazoo River	Bee Lake	941711	Holmes	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Entire lake in Holmes County	TMDL Complete 06/30/2003
Yazoo River	Bee Lake	941711	Holmes	Aquatic Life Use Support	Nutrients	Entire lake in Holmes County	TMDL Complete 06/30/2003
Yazoo River	Dump Lake	923011	Yazoo	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Near Satartia off Dump Lake Road near boat ramp	TMDL Complete 06/30/2003
Yazoo River	Dump Lake	923011	Yazoo	Aquatic Life Use Support	Nutrients	Near Satartia off Dump Lake Road near boat ramp	TMDL Complete 06/30/2003
Yazoo River	Dump Lake	923011	Yazoo	Aquatic Life Use Support	Sediment	Near Satartia off Dump Lake Road near boat ramp	TMDL Complete 06/30/2003
Yazoo River	Lake Washington	944611	Washington	Aquatic Life Use Support	Sediment	Entire Lake Washington	TMDL Complete 06/30/2003
Yazoo River	Lake Washington	944211	Washington	Aquatic Life Use Support	Sediment	Entire Lake Washington	TMDL Complete 06/30/2003
Yazoo River	Mossy Lake	942211	Leflore	Aquatic Life Use Support	Nutrients	Entire lake near Swiftown	TMDL Complete 06/30/2003
Yazoo River	Mossy Lake	942211	Leflore	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Entire lake near Swiftown	TMDL Complete 06/30/2003



Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Yazoo River	Mossy Lake	942211	Leflore	Aquatic Life Use Support	Sediment	Entire lake near Swiftown	TMDL Complete 04/17/2008
Yazoo River	North Fork Tillatoba Creek	906611	Yalobusha, Tallahatchie	Aquatic Life Use Support	Sediment	From headwaters to mouth at Tillatoba Creek	TMDL Complete 04/17/2008
Yazoo River	Roebuck Lake	938212	Leflore	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Entire lake near Itta Bena	TMDL Complete 04/17/2008
Yazoo River	Roebuck Lake	938212	Leflore	Aquatic Life Use Support	Total Nitrogen	Entire lake near Itta Bena	TMDL Complete 06/11/2008
Yazoo River	Roebuck Lake	938212	Leflore	Aquatic Life Use Support	Total Phosphorus	Entire lake near Itta Bena	TMDL Complete 06/11/2008
Yazoo River	Roebuck Lake	938212	Leflore	Aquatic Life Use Support	Sediment	Entire lake near Itta Bena	TMDL Complete 04/17/2008
Yazoo River	Short Creek	922711	Yazoo	Aquatic Life Use Support	Sediment	From Headwaters To Mouth at the Yazoo River	TMDL Complete 04/17/2008
Yazoo River	Six Mile Lake	937711	Leflore, Sunflower	Aquatic Life Use Support	Nutrients	Near Money at CR 541 Bridge	TMDL Complete 06/30/2003
Yazoo River	Six Mile Lake	937711	Leflore, Sunflower	Aquatic Life Use Support	Sediment	Near Money at CR 541 Bridge	TMDL Complete 04/17/2008
Yazoo River	Tchula Lake	941811/ 941511	Holmes	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Entire Tchula Lake	TMDL Complete 06/17/2008
Yazoo River	Tchula Lake	941811/ 941511	Holmes	Aquatic Life Use Support	Total Nitrogen	Entire Tchula Lake	TMDL Complete 06/17/2008
Yazoo River	Tchula Lake	941811/ 941511	Holmes	Aquatic Life Use Support	Total Phosphorus	Entire Tchula Lake	TMDL Complete 06/17/2008
Yazoo River	Tchula Lake	941811/ 941511	Holmes	Aquatic Life Use Support	Sediment	Entire Tchula Lake	TMDL Complete 04/17/2008
Yazoo River	Thompson Creek	922811	Yazoo	Aquatic Life Use Support	Toxics	From headwaters to mouth at Perry Creek	TMDL Complete 06/18/2003
Yazoo River	Wasp Lake	942313	Humphreys	Aquatic Life Use Support	Total Phosphorus	Entire Wasp Lake near Belzoni	TMDL Complete 06/30/2003

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location	Listing Change
Yazoo River	Wasp Lake	942313	Humphreys	Aquatic Life Use Support	Sediment	Entire Wasp Lake near Belzoni	TMDL Complete 06/30/2003
Yazoo River	Wasp Lake	942313	Humphreys	Aquatic Life Use Support	Organic Enrichment/ Low Dissolved Oxygen	Entire Wasp Lake near Belzoni	TMDL Complete 06/30/2003

## RULE 9.7 TMDLs SCHEDULED FOR THE NEXT TWO YEARS

MDEQ has developed a new collaborative framework for implementing the Clean Water Act in compliance with a new national initiative by EPA. The Priority Framework Process is designed to help coordinate efforts to advance the effectiveness of the water program. In order to select priority watersheds MDEQ used landscape information to characterize and rank watersheds by resource value and potential stressors. This new framework does not change regulation, policy or issue new mandates. It is intended to provide focus for MDEQ's water programs so as to better manage the activities and promote collaboration to achieve water quality goals. More information on the Priority Framework Process can be found here:

<http://www.mdeq.ms.gov/water/surface-water/priority-framework/>

Table 9 below lists the TMDLs MDEQ has planned for development in 2020 and 2021 based on resource availability. These TMDLs are also dependent on completion of stressor identifications for the biological listings included.

Table 9 TMDLs Scheduled for 2020 and 2021

Basin	Water Body Name	Water Body ID	County	Pollutant
Pascagoula River	Tallahala Creek	413711, 413712, 413812, 415511	Jones, Forest, Perry	Biological Impairment, Total Nitrogen, pH, Total Phosphorus
Pascagoula River	Tallahoma Creek	412511, 412711, 412811, 412911	Forest, Jasper, Jones, Perry	Biological Impairment
Tombigbee River	Buttahatchie	806711	Monroe	pH
Tombigbee River	Chinchahoma Creek	8209012	Oktibbeha	Sediment
Tombigbee River	Shaw Creek	812313	Oktibbeha	Sediment
Tombigbee River	Spring Creek	809312	Clay	Sediment
Tombigbee River	Unnamed Tributary to Catalpa Creek	809012	Lowndes	Sediment
Tombigbee River	Unnamed Tributary to Gilmer Creek	810412	Lowndes	Sediment
Tombigbee River	Yellow Creek	813211	Winston, Noxubee	Sediment

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## RULE 9.8 PUBLIC PARTICIPATION AND APPROVAL PROCESS

MDEQ notified the public of the availability of this document by publishing a Public Notice in a statewide newspaper as well as selected regional newspapers. Additionally, MDEQ sent notices of availability to those addressees on the TMDL notification list.

The public is invited to comment on the content of this document. The Public Notice period began on August 28, 2020 and will continue until September 28, 2020. Comments are accepted by mail or electronic submission and at a Public Hearing held via teleconference at the end of the public comment period. The proposed document will be submitted to the Mississippi Commission on Environmental Quality for adoption. Once adopted by the Commission, the 2020 §303(d) List will be submitted to EPA Region 4 for final approval, and then the Mississippi 2020 §303(d) List of Impaired Water Bodies will be filed with the Mississippi Secretary of State in compliance with state law.

Source: Miss. Code Ann. §§ 49-2-1, *et seq.* and 49-17-1, *et seq.*

## RULE 9.9 IMPAIRED WATERS LISTING

Table 10 Impaired Waters

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Big Black River	Big Cypress Creek	104812	Holmes	Aquatic Life Use Support	Biological Impairment	Near Franklin from headwaters to confluence with Unnamed Intermittent Tributary downstream of Highway 17 bridge
Big Black River	Crooked Creek	103913	Attala	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Seneasha Creek
Big Black River	Fleetwood Creek	109113	Hinds	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Bakers Creek
Big Black River	Hamer Bayou	109312	Warren	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Black River
Big Black River	Hobuck Creek	105511	Madison	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Doaks Creek
Big Black River	Jims Bayou	109311	Warren	Aquatic Life Use Support	Biological Impairment	Near Reganton from headwaters to mouth at Big Black River
Big Black River	Kyle Creek	102811	Holmes	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Black River
Big Black River	Little Bear Creek	105712	Madison	Aquatic Life Use Support	Biological Impairment	Near Madison from headwaters to mouth at Bear Creek
Big Black River	Little Black Creek	100511	Webster	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Black River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Big Black River	Markham Creek	108011	Warren	Aquatic Life Use Support	Biological Impairment	From Headwaters To The Mouth Of Big Black River
Big Black River	Parker Creek	103914	Attala, Madison	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Seneasha Creek
Big Black River	Pepper/ Rucker Creek	104511	Yazoo	Aquatic Life Use Support	Biological Impairment	Near Canton from headwaters to mouth at Beaver Run
Big Black River	Persimmon Creek	106311	Madison	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Big Black River
Big Black River	Porter Creek	107611	Hinds	Aquatic Life Use Support	Biological Impairment	Near Lynchburg from headwaters to mouth at Big Black River
Big Black River	Sand Creek	101112	Webster	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Calabrell Creek
Big Black River	Silver Creek	108012	Warren	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Black River
Big Black River	Spring Creek	100211	Webster	Aquatic Life Use Support	Biological Impairment	At Sara from headwaters to MWS 1001 boundary
Big Black River	Turkey Creek	108711	Hinds	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Fourteen Mile Creek
Big Black River	Willis Creek	109511	Warren	Aquatic Life Use Support	Biological Impairment	Near Galloway from headwaters to mouth at Big Black River
Big Black River	Wolf Creek	101312	Montgomery, Webster	Aquatic Life Use Support	Biological Impairment	Near Shelbyton from headwaters to confluence with Patts Branch



Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Coastal Streams	Bayou Casotte	200313	Jackson	Aquatic Life Use Support	Organic Enrichment / Low Dissolved Oxygen	From confluence of West Prong and East Prong to turning basin
Coastal Streams	Bayou Casotte West Prong	200312	Jackson	Aquatic Life Use Support	Organic Enrichment / Low Dissolved Oxygen	From Louise Street to the confluence of West Prong and East Prong
Coastal Streams	Bayou La Terre	204112	Hancock	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Unnamed Tributary
Coastal Streams	Catahoula Creek	203311	Hancock	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Bernard Bayou
Coastal Streams	Costapia Bayou	201611	Harrison	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tchoutacabouffa River
Coastal Streams	Dead Tiger Creek	203711	Hancock	Aquatic Life Use Support	Biological Impairment	Near Kiln from headwaters to confluence with Catahoula Creek
Coastal Streams	Flat Branch	202111	Harrison	Aquatic Life Use Support	Biological Impairment	Near Gulfport from headwaters to mouth at Bernard Bayou
Coastal Streams	Hickory Creek	203411	Hancock, Pearl River	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 2035 boundary
Coastal Streams	Hickory Creek	203511	Hancock	Aquatic Life Use Support	Biological Impairment	From MWS 2034 boundary to mouth at Catahoula Creek
Coastal Streams	Palmer Creek	200915	Harrison	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Biloxi River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Coastal Streams	Railroad Creek	201411	Jackson, Harrison	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Ramsey Creek
Coastal Streams	Unnamed Tributary to Bayou Lasalle	204013	Harrison, Hancock	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Bayou Lasalle
Coastal Streams	Unnamed Tributary to Rotten Bayou	204012	Harrison, Hancock	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Rotten Bayou
Coastal Streams	Wolf Creek	205312	Hancock, Harrison	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Wolf River
North Independent Streams	Bearman Creek	302412	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to N35°
North Independent Streams	Bell Creek	302012	Tippah	Aquatic Life Use Support	Biological Impairment	Bell Creek from headwaters to mouth at West Prong Muddy Creek
North Independent Streams	Bynum Creek	300413	Alcorn	Aquatic Life Use Support	Biological Impairment	Near Rienzi From Headwaters To Mouth At Hinkle Creek
North Independent Streams	Coon Creek	301312	Alcorn	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Tuscumbia River Canal
North Independent Streams	Eastes Creek	301112	Alcorn	Aquatic Life Use Support	Biological Impairment	Near Kossuth from the confluence with Underwood Creek to the mouth at Tuscumbia River Canal
North Independent Streams	Fourth Creek	301913	Tippah, Alcorn	Aquatic Life Use Support	Biological Impairment	Near Walnut from headwaters to mouth at Hatchie River
North Independent Streams	Grays Creek	303511	Benton	Aquatic Life Use Support	Biological Impairment	From headwaters to TN state line

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
North Independent Streams	Hinkle Creek	300412	Alcorn	Aquatic Life Use Support	Biological Impairment	Near Rienzi from headwaters to mouth at Tuscumbia River Canal
North Independent Streams	Little Cane Creek	301213	Alcorn	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tuscumbia River Canal
North Independent Streams	Mcelroy Creek	301113	Alcorn	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tuscumbia River Canal
North Independent Streams	Owl Creek	301412	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Little Hatchie River
North Independent Streams	Tarebreeches Creek	301212	Alcorn	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tuscumbia River Canal
North Independent Streams	Turkey Creek	302112	Tippah	Aquatic Life Use Support	Biological Impairment	Near Falkner from headwaters to mouth at Muddy Creek
North Independent Streams	UNT North Prong Muddy Creek	302013	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Muddy Creek
North Independent Streams	West Prong Muddy Creek	302011	Tippah	Aquatic Life Use Support	Biological Impairment	At Falkner from headwaters to mouth at Muddy Creek
Pascagoula River	Anderson Branch	401711	Newton	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Okahatta Creek
Pascagoula River	Archusa Creek	405111	Clarke	Aquatic Life Use Support	Biological Impairment	From headwaters at Unnamed Impoundment to MWS 4052 boundary.
Pascagoula River	Beaver Creek	421212	Perry	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Hickory Creek

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Pascagoula River	Beaver Lake	418913	Lamar	Aquatic Life Use Support	pH	Near Purvis
Pascagoula River	Big Creek	409911	Jones	Aquatic Life Use Support	Biological Impairment	From MWS 4098 boundary to mouth at Leaf River
Pascagoula River	Black Creek	418412	Jefferson Davis, Marion, Lamar	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Monroe Creek
Pascagoula River	Cedar Creek	408611	Newton, Jasper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Quarterliah Creek
Pascagoula River	Chunky Creek	401511	Newton	Aquatic Life Use Support	Biological Impairment	From headwaters near Union to MWS boundary 4018
Pascagoula River	Chunky River	402611	Lauderdale, Clarke	Aquatic Life Use Support	Biological Impairment	From confluence with Possum Creek to mouth at Chickasawhay River
Pascagoula River	Chunky River	402312	Newton, Lauderdale	Aquatic Life Use Support	Biological Impairment	From confluence with Chunky Creek and Potterchitto Creek to the MWS 4026 boundary
Pascagoula River	Clear Creek	409013	Smith	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Oakohay Creek
Pascagoula River	Crawford Creek	406612	Wayne	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Creek
Pascagoula River	Dry Creek	411111	Covington	Aquatic Life Use Support	Biological Impairment	Near Terrell from headwaters to mouth at Bowie Creek
Pascagoula River	Dry Creek	406613	Wayne	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Big Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Pascagoula River	Dry Creek	403811	Clark, Wayne	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Buckatunna Creek
Pascagoula River	Fallen Creek	424012	Clarke	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Chickasawhay River
Pascagoula River	Five Mile Creek	424211	Clarke	Aquatic Life Use Support	Biological Impairment	Near Carmichael from headwaters to mouth at Buckatunna Creek
Pascagoula River	Flint Creek	420211	Stone	Aquatic Life Use Support	Biological Impairment	From outfall of Flint Creek Reservoir to mouth at Red Creek
Pascagoula River	Gordon Creek	405011	Clarke	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Souenlovie Creek
Pascagoula River	Horse Branch	413612	Jasper	Aquatic Life Use Support	Biological Impairment	Near Heidelberg from headwaters to mouth at Tallahattah Creek
Pascagoula River	Little Oakahay Creek	408912	Smith	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Oakohay Creek
Pascagoula River	Long Creek	403011	Lauderdale, Clarke	Aquatic Life Use Support	Biological Impairment	From confluence with Gays Branch to Mws 4031 boundary
Pascagoula River	Martin Creek	407813	Greene	Aquatic Life Use Support	Biological Impairment	From headwaters to Leaksville POTW outfall
Pascagoula River	Martin Creek	407812	Greene	Aquatic Life Use Support	Biological Impairment	From Leaksville POTW outfall downstream to mouth at Chakasawhay River
Pascagoula River	Mill Creek	418612	Lamar	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Black Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Pascagoula River	Okatibbee Creek	401111	Lauderdale	Aquatic Life Use Support	Biological Impairment	From MWS 4010 boundary to mouth at Chickasawhay River
Pascagoula River	Okatibbee Creek	401011	Lauderdale	Aquatic Life Use Support	Biological Impairment	Near Savoy from confluence with Sowashee Creek to MWS 4011 boundary
Pascagoula River	Okatibbee Creek	401011	Lauderdale	Aquatic Life Use Support	Total Nitrogen, pH	Near Savoy from confluence with Sowashee Creek to MWS 4011 boundary
Pascagoula River	Okatoma Creek	410511	Covington	Aquatic Life Use Support	Total Nitrogen	From confluence with Roger Creek to confluence with Big Swamp Creek
Pascagoula River	Penantly Creek	404712	Jasper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Souenlovie Creek
Pascagoula River	Penders Creek	400412	Kemper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Chickasawhay Creek
Pascagoula River	Prairie Creek	413911	Jasper	Aquatic Life Use Support	Biological Impairment	Near Heidelberg from headwaters to mouth at Bogue Homo
Pascagoula River	Red Creek	420711	George	Aquatic Life Use Support	pH	From MWS 4206 Boundary at confluence with Bluff Creek to MWS 4209 boundary at Red Creek Road
Pascagoula River	Reese Creek	416212	Forest	Aquatic Life Use Support	Biological Impairment	From Temple Rd to mouth at Leaf River
Pascagoula River	Rocky Creek	403311	Clarke	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Buckatunna Creek
Pascagoula River	Rocky Creek	426211	George	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Escatawpa River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Pascagoula River	Sandy Run	418613	Lamar	Recreation	Pathogens	From headwaters to mouth at Black Creek
Pascagoula River	Souenlovie Creek	404811	Clarke, Jasper	Aquatic Life Use Support	Biological Impairment	From confluence with Penantly Creek to confluence with Twistwood Creek
Pascagoula River	Sowashee Creek	400811	Lauderdale	Aquatic Life Use Support	Total Nitrogen, Total Phosphorus	At Meridian from headwaters to confluence with Unnamed Tributary at MWS 4237 boundary
Pascagoula River	Sowashee Creek	423711	Lauderdale	Aquatic Life Use Support	Total Nitrogen, Total Phosphorus	From MWS 4008 boundary to MWS 4009 boundary
Pascagoula River	Sowashee Creek	400911	Lauderdale	Aquatic Life Use Support	Total Nitrogen, Total Phosphorus	From confluence with Unnamed Tributary at MWS 4237 boundary to confluence with Okatibbee Creek
Pascagoula River	Tallahala Creek	413711	Jones, Jasper	Aquatic Life Use Support	Biological Impairment	From confluence of Talahata Creek to confluence of Big Reely Creek
Pascagoula River	Tallahala Creek	413712	Jones	Aquatic Life Use Support	Biological Impairment	From confluence with Big Reely Creek to MWS 4138 boundary
Pascagoula River	Tallahala Creek	413812	Jones	Aquatic Life Use Support	Biological Impairment	From MWS 4137 boundary to confluence with Tallahoma Creek
Pascagoula River	Tallahala Creek	415511	Jones, Forrest, Perry	Aquatic Life Use Support	pH, TN, TP	From confluence with Courtney Creek to MWS 4156 boundary near Hammock Branch
Pascagoula River	Tallahoma Creek	412911	Jones	Aquatic Life Use Support	Biological Impairment	From confluence with Horse Creek to confluence with Tallahala Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Pascagoula River	Tallahoma Creek	412811	Jones	Aquatic Life Use Support	Biological Impairment	From confluence with Terrapin Creek to confluence with Horse Creek
Pascagoula River	Tallahoma Creek	412511	Jasper	Aquatic Life Use Support	Biological Impairment	Near Laurel from confluence with Piney Branch to MWS 4127 boundary
Pascagoula River	Tallahoma Creek	412711	Jasper, Jones	Aquatic Life Use Support	Biological Impairment	From MWS 4125 boundary to confluence with Terrapin Creek
Pascagoula River	Tiger Creek	414512	Jones	Aquatic Life Use Support	Biological Impairment	From confluence with East Tiger Creek to mouth at Bogue Homo
Pascagoula River	Twistwood Creek	423811	Jasper, Clarke	Aquatic Life Use Support	Biological Impairment	From confluence of North and South Twistwood Creek to mouth at Souinlovie Creek
Pascagoula River	Unnamed Tributary to Oakohay Creek	409014	Smith	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Oakohay Creek
Pascagoula River	West Bouie Creek	411212	Jefferson Davis	Aquatic Life Use Support	Biological Impairment	Near Bassfield from headwaters to confluence with Bouie River
Pearl River	Ashlog Creek	508313	Rankin	Aquatic Life Use Support	Biological Impairment	Near Pelahatchie from headwaters to mouth at Pelahatchie Creek
Pearl River	Bahala Creek	513911	Copiah	Aquatic Life Use Support	Biological Impairment	From confluence with Russell Creek to confluence with Little Bahala Creek
Pearl River	Beaver Creek	521413	Pike	Aquatic Life Use Support	Biological Impairment	Near Johnstons Station from outfall of Dixie Springs Lake to mouth at Bogue Chitto River
Pearl River	Big Creek	513211	Simpson	Aquatic Life Use Support	Biological Impairment	Near Harrisville from MWS 5131 boundary at Heed Neely Road bridge to mouth at strong River



Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Pearl River	Bogue Chitto River	521111	Lincoln	Aquatic Life Use Support	Biological Impairment	From confluence with Boone Creek to confluence with Myers Creek
Pearl River	Bogue Chitto River	521311	Lincoln	Aquatic Life Use Support	Biological Impairment	From confluence with Myers Creek to Johnson's Station
Pearl River	Boone Creek	521113	Lincoln	Aquatic Life Use Support	Biological Impairment	Near Brookhaven from headwaters to mouth at Bogue Chitto
Pearl River	Caney Creek	511411	Scott, Smith	Aquatic Life Use Support	Biological Impairment	Near Pulaski from headwaters at W Moore Tower Road to mouth at Strong River
Pearl River	Clear Creek	508611	Rankin	Aquatic Life Use Support	Biological Impairment	Near Pelahatchie from headwaters to mouth at Pelahatchie Creek
Pearl River	Cobbs Creek	504111	Leake	Aquatic Life Use Support	Biological Impairment	Near Carthage from headwaters to mouth at Lobutch Creek
Pearl River	Cole Creek	506111	Attala	Aquatic Life Use Support	Biological Impairment	Near French Camp from headwaters to MWS 5059 boundary
Pearl River	Coon Creek	503713	Leake	Aquatic Life Use Support	Biological Impairment	Near Renfro from headwaters to mouth at Lobutch Creek
Pearl River	Holiday Creek	516311	Jefferson Davis, Marion	Aquatic Life Use Support	Biological Impairment	From confluence with Unnamed Tributary at MWS 5162 boundary to mouth at Pearl River
Pearl River	Hollybush Creek	508612	Rankin	Aquatic Life Use Support	Biological Impairment	Near Pelahatchie from headwaters to mouth at Clear Creek
Pearl River	Hontokalo Creek	504711	Scott	Aquatic Life Use Support	Biological Impairment	Near Steel from headwaters to mouth at Little Canal

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Pearl River	Land Creek	500911	Kemper	Aquatic Life Use Support	Biological Impairment	Near Bogue Chitto from headwaters to mouth at Bogue Chitto River
Pearl River	Line Creek	508312	Scott, Rankin	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Pelahatchie Creek
Pearl River	Lynch Creek	509311	Hinds	Aquatic Life Use Support	Biological Impairment	At Jackson from headwaters to the Pearl River
Pearl River	Owl Creek	501111	Kemper, Neshoba	Aquatic Life Use Support	Biological Impairment	Near Preston from headwaters to the Bogue Chitto River
Pearl River	Pellaphalia Creek	507212	Leake, Madison	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Pearl River
Pearl River	Pickens Creek	504112	Leake	Aquatic Life Use Support	Biological Impairment	Near Redwater from headwaters to mouth at Cobbs Creek
Pearl River	Price Creek	519512	Pearl River	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with W. Hobolochitto
Pearl River	Purvis Creek	511711	Rankin, Smith	Aquatic Life Use Support	Biological Impairment	Near Polkville from headwaters to mouth at Strong River
Pearl River	Rials Creek	512712	Simpson	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Simmons Branch
Pearl River	Shiola Creek	507111	Leake	Aquatic Life Use Support	Biological Impairment	At St Ann from headwaters to MWS 5070 boundary at St Ann Road
Pearl River	Steel Creek	513511	Copiah	Aquatic Life Use Support	Biological Impairment	Near Rockport from headwaters to mouth at the Pearl River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Pearl River	Sugar Bogue	507612	Scott	Aquatic Life Use Support	Biological Impairment	Near Forkville from headwaters to mouth at Coffee Bogue
Pearl River	Tibby Creek	505811	Choctaw, Attala	Aquatic Life Use Support	Biological Impairment	Near McCool from confluence with Robinson Branch to MWS 5056 boundary
Pearl River	Topisaw Creek	522211	Pike	Aquatic Life Use Support	Biological Impairment	Near Ruth from MWS 5219 boundary to confluence at Bogue Chitto
Pearl River	Town Creek	503211	Leake	Aquatic Life Use Support	Biological Impairment	At Carthage from headwaters to the Pearl River
Pearl River	Turtle Skin Creek	520511	Hancock	Aquatic Life Use Support	Biological Impairment	Near Santa Rosa from headwaters to confluence with Mikes River
Pearl River	Unnamed Tributary To Clear Creek	521513	Pike	Aquatic Life Use Support	Biological Impairment	Near Summit from headwaters to mouth at Clear Creek
Pearl River	Unnamed Tributary To Tallahaga Creek	500712	Winston	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tallahaga Creek
Pearl River	Upper Little Creek	517011	Lamar, Marion	Aquatic Life Use Support	Biological Impairment	From confluence with Graves Creek to mouth at Pearl River
Pearl River	White Sand Creek	516111	Jefferson Davis	Aquatic Life Use Support	Biological Impairment	From confluence with Little White Sand Creek (Jaybird Creek) to mouth at Pearl River
South Independent	Bala Chitto Creek	614111	Pike	Aquatic Life Use Support	Biological Impairment	From MWS 6140 boundary to state line
South Independent	Bayou Pierre	601611	Copiah	Aquatic Life Use Support	Biological Impairment	From confluence with Turkey Creek to confluence with White Oak Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
South Independent	Bear Creek	610514	Wilkinson	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Buffalo River
South Independent	Beaver Creek	608312	Wilkinson	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Homochitto River
South Independent	Bolls Creek	604611	Jefferson	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with North Fork Coles Creek
South Independent	Booths Creek	602813	Claiborne	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Bayou Pierre
South Independent	Browns Creek	609612	Wilkinson	Aquatic Life Use Support	Biological Impairment	Near Woodville from headwaters to mouth at Buffalo River
South Independent	Days Creek	612312	Amite	Aquatic Life Use Support	Biological Impairment	Near Busy Corner from headwaters to mouth at West Fork Amite Creek
South Independent	Dry Bayou	608611	Franklin	Aquatic Life Use Support	Biological Impairment	Near White Apple from headwaters to mouth at Caney Branch
South Independent	Dry Creek	608211	Franklin	Aquatic Life Use Support	Biological Impairment	At Garden City from headwaters to mouth at Homochitto River
South Independent	Dry Creek	608111	Wilkinson	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Homochitto River
South Independent	Folkes Creek	605011	Jefferson	Aquatic Life Use Support	Biological Impairment	From confluence of Stampley Creek and Compton Creek to mouth at South Fork Coles Creek
South Independent	Garret Creek	603811	Jefferson	Aquatic Life Use Support	Biological Impairment	Near Union Church from headwaters to mouth at Foster Creek

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
South Independent	Hatcher Bayou	690411	Warren	Aquatic Life Use Support	Biological Impairment	At Vicksburg from MWS 6902 boundary at Fisher Ferry Road to mouth at Hennesy Bayou
South Independent	Homochitto River	607812	Amite, Franklin, Wilkinson	Aquatic Life Use Support	pH	From MWS 6074 Boundary to the confluence with Dry Creek
South Independent	Mud Island Creek	604811	Jefferson	Aquatic Life Use Support	Biological Impairment	From confluence with Fairchilds Creek to confluence with North Fork Coles Creek
South Independent	Muddy Bayou	600212	Claiborne, Jefferson	Aquatic Life Use Support	Biological Impairment	Near Alcorn from impoundment in headwaters to mouth at Dowd Creek
South Independent	North Dry Creek	606112	Franklin	Aquatic Life Use Support	Biological Impairment	Near Bude from headwaters to mouth at Homochitto River
South Independent	Paces Bayou	690311	Warren	Aquatic Life Use Support	Biological Impairment	From confluence with Redbone Creek to mouth at Hennesy Bayou
South Independent	Pickneyville Creek	611211	Wilkinson	Aquatic Life Use Support	Biological Impairment	Near Pickneyville from headwaters to mouth at Little Bayou Sara
South Independent	Saint Catherines Creek	600611	Adams	Aquatic Life Use Support	Biological Impairment	At Natchez from confluence with Melvin Bayou to mouth at Mississippi River
South Independent	Saint Catherines Creek	600511	Adams	Aquatic Life Use Support	Biological Impairment	At Natchez from headwaters to confluence with Melvin Bayou
South Independent	Sandy Creek	608811	Adams	Aquatic Life Use Support	Biological Impairment	From confluence with Swafford Creek to mouth at Homochitto Creek
South Independent	Stafford Creek	613212	Amite, Wilkinson	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Comite Creek

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South Independent	Storm Creek	602811	Claiborne	Aquatic Life Use Support	Biological Impairment	Near Carlisle from headwaters to mouth at Bayou Pierre
South Independent	West Fork Thompson Creek	611411	Wilkinson	Aquatic Life Use Support	Biological Impairment	From headwaters to LA state line
South Independent	Willis Creek	603411	Jefferson, Claiborne	Aquatic Life Use Support	Biological Impairment	At Tillman from headwaters to MWS 6035 boundary near Tillman Road bridge
South Independent	Zeigler Creek	607811	Franklin	Aquatic Life Use Support	Biological Impairment	Near Rosetta from headwaters mouth at Homochitto River
Tennessee River	Bear Creek	701111	Tishomingo	Aquatic Life Use Support	pH	Near Burnstown from Unnamed Tributary north of County Road 86 to Alabama
Tombigbee River	Alamuchee Creek	818311	Lauderdale	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Little Alamuchee Creek
Tombigbee River	Alamuchee Creek	818411	Lauderdale	Aquatic Life Use Support	Biological Impairment	From Little Alamuchee Creek to MS/AL state line
Tombigbee River	Ash Creek	816012	Noxubee	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Noxubee River
Tombigbee River	Black Creek	810013	Lowndes	Aquatic Life Use Support	Biological Impairment	From headwaters to end near MWS 8207 boundary
Tombigbee River	Boguefala Creek	819211	Lee, Itawamba	Aquatic Life Use Support	Biological Impairment	Near Mooreville from headwaters to confluence with Greenwood Creek
Tombigbee River	Boguegaba Creek	802711	Lee, Itawamba, Monroe	Aquatic Life Use Support	Biological Impairment	At Richmond from headwaters to mouth at Boguefala Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Tombigbee River	Browning Creek	812913	Oktibbeha, Noxubee	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Noxubee River
Tombigbee River	Buttahatchee River	806711	Monroe	Aquatic Life Use Support	pH	Near Greenwood Springs from confluence with Sipsey Creek to MWS 8068 boundary near confluence with Alsup Creek
Tombigbee River	Cane Creek	807411	Chickasaw, Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Houlka Creek
Tombigbee River	Casey Creek	800812	Prentiss	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Donivan Creek
Tombigbee River	Chico Creek	820912	Chickasaw	Aquatic Life Use Support	Biological Impairment	Near Houston from headwaters to mouth at Houlka Creek
Tombigbee River	Chinchahoma Creek	812811	Oktibbeha	Aquatic Life Use Support	Sediment	From headwaters to mouth at Noxubee River
Tombigbee River	Coonewah Creek	805311	Lee	Aquatic Life Use Support	Biological Impairment	From confluence with Little Coonewah Creek to mouth at Town Creek
Tombigbee River	Dry Creek	804214	Clay, Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Town Creek
Tombigbee River	Fuller Creek	804112	Monroe, Clay	Aquatic Life Use Support	Biological Impairment	Near West Point from headwaters to mouth at Town Creek
Tombigbee River	Goodfood Creek	807012	Chickasaw, Pontotoc	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Chuquatonchee Creek
Tombigbee River	Greens Creek	810312	Lowndes	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Tombigbee River

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Tombigbee River	Hollis Creek	812211	Oktibbeha	Aquatic Life Use Support	Total Nitrogen	Near Starkville from headwaters to the Noxubee River
Tombigbee River	Hollis Creek	812211	Oktibbeha	Aquatic Life Use Support	Total Phosphorus	Near Starkville from headwaters to the Noxubee River
Tombigbee River	Howard Creek	810011	Lowndes	Aquatic Life Use Support	Biological Impairment	From Unnamed Trib near Mount Pleasant Church to mouth at Luxapallila Creek
Tombigbee River	Leeper Creek	805112	Lee	Aquatic Life Use Support	Biological Impairment	Near Plantersville from headwaters to mouth at Town Creek
Tombigbee River	Little Wolf Creek	818812	Prentiss	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Wolf Creek
Tombigbee River	Loakfoma Lake	812914	Noxubee	Aquatic Life Use Support	Organic Enrichment / Low Dissolved Oxygen	Near Oktoc near dam
Tombigbee River	Loakfoma Lake	812914	Noxubee	Aquatic Life Use Support	pH	Near Oktoc near dam
Tombigbee River	Long Branch	808312	Clay	Aquatic Life Use Support	Biological Impairment	Near Mhoons Valley from headwaters to mouth at Line Creek
Tombigbee River	Long Branch	808512	Oktibbeha	Aquatic Life Use Support	Biological Impairment	Near Starkville from headwaters to Trim Cane Creek
Tombigbee River	Long Creek	807612	Chickasaw, Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Houlka Creek



<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Tombigbee River	Luxapallila Creek	821611	Lowndes	Aquatic Life Use Support	pH	At Steens from Alabama state line (including tributary) to confluence with Yellow Creek
Tombigbee River	Mantachie Creek	801611	Lee, Itawamba	Aquatic Life Use Support	Biological Impairment	At Mantachie from headwaters to Hwy 371
Tombigbee River	Mcgee Creek	808913	Clay, Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tibbee Creek
Tombigbee River	Mineral Springs Branch	817312	Kemper	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth of Blackwater Creek
Tombigbee River	Minga Branch	806612	Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Mill Creek
Tombigbee River	Moore Creek	819611	Lowndes	Aquatic Life Use Support	Biological Impairment	At Columbus from headwaters to the Tombigbee River
Tombigbee River	Mubby Creek	820011	Pontotoc	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Chiwapa Creek
Tombigbee River	Oak Slush Creek	819612	Lowndes	Aquatic Life Use Support	Biological Impairment	Near Columbus from headwaters to the Ten-Tom Waterway
Tombigbee River	Okeelala Creek	801011	Prentiss, Lee	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Twentymile Creek
Tombigbee River	Osborne Creek	800912	Prentiss	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Twentymile Creek
Tombigbee River	Puncheon Creek	801613	Lee, Itawamba	Aquatic Life Use Support	Biological Impairment	Near Mantachie from headwaters to mouth at Mantachie Creek

<b>Basin</b>	<b>Water Body Name</b>	<b>Water Body Id</b>	<b>County</b>	<b>Impaired Use</b>	<b>Pollutant</b>	<b>Location</b>
Tombigbee River	Ray Branch	801912	Itawamba	Aquatic Life Use Support	Biological Impairment	Near County Road 23 from headwaters to mouth at Gum Creek
Tombigbee River	Sand Creek	801612	Lee, Itawamba	Aquatic Life Use Support	Biological Impairment	Near Mantachie from headwaters to mouth at Mantachie Creek
Tombigbee River	Sand Creek	804811	Lee	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Mud Creek
Tombigbee River	Sand Creek	821212	Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Old Field Creek
Tombigbee River	Shaw Creek	812313	Oktibbeha	Aquatic Life Use Support	Sediment	From headwaters to mouth at Noxubee River
Tombigbee River	Shotbag Creek	813012	Lowndes, Noxubee	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Noxubee River
Tombigbee River	Spring Creek	804213	Monroe	Aquatic Life Use Support	Sediment	Near Vinton from headwaters to confluence with Hang Kettle Creek
Tombigbee River	Spring Creek	809312	Clay	Aquatic Life Use Support	Sediment	Near Westpoint from headwaters to Ten-Tom Waterway
Tombigbee River	Standing Reed Creek	808011	Chickasaw, Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Little Cane Creek
Tombigbee River	Sun Creek	822011	Noxubee, Winston	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Noxubee River
Tombigbee River	Tadpole Creek	803112	Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to Aberdeen Lake

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Tombigbee River	Talking Warrior Creek	812711	Oktibbeha	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 8128 boundary
Tombigbee River	Town Creek	804111	Monroe, Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Hang Kettle Creek
Tombigbee River	Town Creek	804211	Clay	Aquatic Life Use Support	Biological Impairment	From confluence with Hang Kettle Creek to mouth at Tenn-Tom Waterway
Tombigbee River	Town Creek	808912	Clay	Aquatic Life Use Support	Biological Impairment	At West Point from headwaters to Tibbee Creek
Tombigbee River	Tulip Creek	804912	Lee	Aquatic Life Use Support	Biological Impairment	At Tupelo from headwaters to mouth at Town Creek
Tombigbee River	Unnamed Tributary To Catalpa Creek	809012	Lowndes	Aquatic Life Use Support	Sediment, TN, TP	Near Stephens from headwaters to mouth at Catawpa Creek
Tombigbee River	Unnamed Tributary To Gilmer Creek	810412	Lowndes	Aquatic Life Use Support	Sediment	Near Artesia from headwaters to mouth at Gilmer Creek
Tombigbee River	Wet Water Creek	813812	Lowndes, Noxubee	Aquatic Life Use Support	Biological Impairment	Near Brooksville from headwaters to Noxubee River
Tombigbee River	Wolf Creek	803412	Monroe	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Mattubby Creek
Tombigbee River	Wolf Creek	818811	Prentiss	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Twentymile Creek
Tombigbee River	Woodruff Creek	808212	Clay	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Underwood Creek

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Tombigbee River	Yellow Creek	813211	Winston, Noxubee	Aquatic Life Use Support	Biological Impairment	Near Betheden from headwaters to the Noxubee River
Tombigbee River	Yonaba Creek	804511	Lee	Aquatic Life Use Support	Biological Impairment	At Tupelo from confluence of Bridge Creek to confluence of Town Creek
Yazoo River	Bear Creek	913812	Chickasaw, Calhoun	Aquatic Life Use Support	Biological Impairment	Near Atlanta from headwaters to mouth at Topashaw Creek Canal
Yazoo River	Beartail Creek	909712	Tate	Aquatic Life Use Support	Biological Impairment	From confluence with Unnamed Tributary near MWS 9096 boundary to mouth at Coldwater River
Yazoo River	Big Bogue	917311	Montgomery	Aquatic Life Use Support	Biological Impairment	Near Duck Hill from headwaters to confluence with Wilkins Creek
Yazoo River	Black Creek	921713	Holmes	Aquatic Life Use Support	Biological Impairment	From confluence with Tarrey Creek near MWS 9215 boundary to confluence with Harland Creek
Yazoo River	Bliss Creek	923411	Warren	Aquatic Life Use Support	Biological Impairment	Near Redwood from headwaters to the Yazoo River
Yazoo River	Buck Creek	913813	Calhoun, Webster	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Topashaw Creek
Yazoo River	Butputter Creek	914511	Grenada	Aquatic Life Use Support	Biological Impairment	Near Grenada from headwaters to Grenada Lake Flood Pool
Yazoo River	Cherry Creek	901212	Pontotoc	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Lappatubby Creek
Yazoo River	Cowpen Creek	915312	Calhoun	Aquatic Life Use Support	Biological Impairment	Near Banner from headwaters to the Skuna River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Yazoo River	Fannegusha Creek	920911	Holmes	Aquatic Life Use Support	Biological Impairment	Near Ituma from Carroll/ Holmes County line To MWS 9211 boundary
Yazoo River	Fourmile Branch	907211	Lafayette	Aquatic Life Use Support	Biological Impairment	Near Oxford from headwaters to mouth at Yellow Leaf Creek
Yazoo River	Hubbard Creek	933711	Tallahatchie	Aquatic Life Use Support	Biological Impairment	Near Tandy from headwaters to Southlake Bayou
Yazoo River	James Wolf Creek	910512	Tate	Aquatic Life Use Support	Biological Impairment	From MWS 9106 boundary at Hwy 4 to mouth at Hickahala Creek
Yazoo River	James Wolf Creek	910611	Tate	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 9105 boundary at Hwy 4
Yazoo River	Lake Beulah	990411	Bolivar	Aquatic Life Use Support	Organic Enrichment/ Low DO	Entire lake near Beulah
Yazoo River	Lake Henry	938312	Leflore	Aquatic Life Use Support	Chlorides, Organic Enrichment/ Low DO	Just South of Belzoni off Hwy 49W
Yazoo River	Little Bogue	916911	Montgomery, Webster	Aquatic Life Use Support	Biological Impairment	Near Duckworth from headwaters to confluence with Caffee Branch
Yazoo River	Little Bogue	917011	Montgomery	Aquatic Life Use Support	Biological Impairment	From confluence with Caggee Branch to confluence with Powell Creek
Yazoo River	Little Bogue	917111	Montgomery, Grenada	Aquatic Life Use Support	Biological Impairment	From confluence with Powell Creek to Batapan Bogue
Yazoo River	Little Coldwater Creek	909112	Marshall	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Coldwater River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Yazoo River	Little Horse Pen Creek	914313	Calhoun, Grenada	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Horsepen Creek
Yazoo River	Little Tallahatchie River	901711	Union	Aquatic Life Use Support	Biological Impairment	From confluence with Mud Creek to MWS 9019 boundary
Yazoo River	Little Tallahatchie River	901911	Union, Lafayette	Aquatic Life Use Support	Biological Impairment	From MWS 9017 boundary to confluence with Fice Creek
Yazoo River	Little Topasaw Creek	913712	Webster, Chickasaw	Aquatic Life Use Support	Biological Impairment	Near Woodland from headwaters to Topasaw Creek
Yazoo River	Lockes Creek	901811	Union	Aquatic Life Use Support	Biological Impairment	Near Enterprise from headwaters to Little Tallahatchie River
Yazoo River	Lyon Creek	901111	Pontotoc	Aquatic Life Use Support	Biological Impairment	Near Pontotoc from headwaters to confluence with Lappatubby Creek
Yazoo River	Medlock Branch	902514	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at North Tippah Creek
Yazoo River	Meridian Creek	913312	Calhoun	Aquatic Life Use Support	Biological Impairment	Near Vardaman from headwaters to mouth at Yalobusha River
Yazoo River	Moore Bayou	931912	Coahoma	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Cassidy Bayou
Yazoo River	North Tippah Creek	902515	Tippah	Aquatic Life Use Support	Sediment	Near Ripley from headwaters confluence with Medlock Branch
Yazoo River	North Tippah Creek	902512	Tippah	Aquatic Life Use Support	Sediment	Near Ripley from confluence with Medlock Branch to mouth at Tippah River

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Yazoo River	Okachickima Creek	916211	Yalobusha	Aquatic Life Use Support	Biological Impairment	Near Hardy from headwaters to Grenada Lake Flood Pool
Yazoo River	Okannatie Creek	900911	Union	Aquatic Life Use Support	Biological Impairment	At Ecu from confluence with Popular Springs Creek to MWS 9010 boundary at Highway 15 bridge
Yazoo River	Pecan Bayou	938511	Sunflower, Leflore	Aquatic Life Use Support	Biological Impairment	Near Doddsville from headwaters to mouth at Quiver River
Yazoo River	Pelucia Creek	919311	Carroll	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 9192 boundary
Yazoo River	Perry Creek	922912	Yazoo	Aquatic Life Use Support	Biological Impairment	Near Oil City from headwaters to mouth at O'Neal Creek
Yazoo River	Piney Creek	922411	Yazoo	Aquatic Life Use Support	Biological Impairment	Near Yazoo City from MWS 9223 boundary to confluence with Yazoo River
Yazoo River	Red Banks Creek	910212	Desoto, Marshall	Aquatic Life Use Support	Biological Impairment	From MWS 9101 boundary to mouth at Pigeon Roost Creek
Yazoo River	Savannah Creek	915214	Calhoun	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Lucknuck Creek
Yazoo River	Shelton Creek	908411	Tallahatchie, Panola	Aquatic Life Use Support	Biological Impairment	Near Crowder from headwaters to Yocona River
Yazoo River	Shutispear Creek	914011	Calhoun, Webster	Aquatic Life Use Support	Biological Impairment	From headwaters to MWS 9139 boundary at Yalobusha River flood plain
Yazoo River	Skuna River	915413	Calhoun	Aquatic Life Use Support	Biological Impairment	At Bruce from Persimmon Creek to MWS 9156 boundary

Basin	Water Body Name	Water Body Id	County	Impaired Use	Pollutant	Location
Yazoo River	Skuna River Canal	914811	Pontotoc	Aquatic Life Use Support	Biological Impairment	From headwaters to confluence with Brush Creek
Yazoo River	Skuna River Canal	914911	Pontotoc, Chickasaw	Aquatic Life Use Support	Biological Impairment	From confluence with Brush Creek to MWS 9150 boundary
Yazoo River	Skuna River Canal	915011	Chickasaw, Calhoun	Aquatic Life Use Support	Biological Impairment	From MWS 9149 boundary to MWS 9152 boundary
Yazoo River	South Tippah Creek	902513	Tippah	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Tippah River
Yazoo River	Spring Branch	941411	Holmes	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Millstone Bayou
Yazoo River	Unnamed Tributary To Little Tallahatchie River	901713	Union	Aquatic Life Use Support	Biological Impairment	Near Pinedale from headwaters to confluence with Unnamed Tributary just downstream of County Road 46
Yazoo River	Whites Creek	930111	De Soto, Tunica	Aquatic Life Use Support	Biological Impairment	Near Prichard from headwaters to Lake Comorant Bayou
Yazoo River	Yoda Creek	915414	Calhoun	Aquatic Life Use Support	Biological Impairment	From headwaters to mouth at Skuna River



# REFERENCES

MDEQ. 2003. *Development and Application of the Mississippi Benthic Index of Stream Quality (M-BISQ)*. Office of Pollution Control.

MDEQ. 2018. *MISSISSIPPI CALM (Consolidated Assessment and Listing Methodology) 2014 Assessment and Listing Cycle*. Office of Pollution Control.

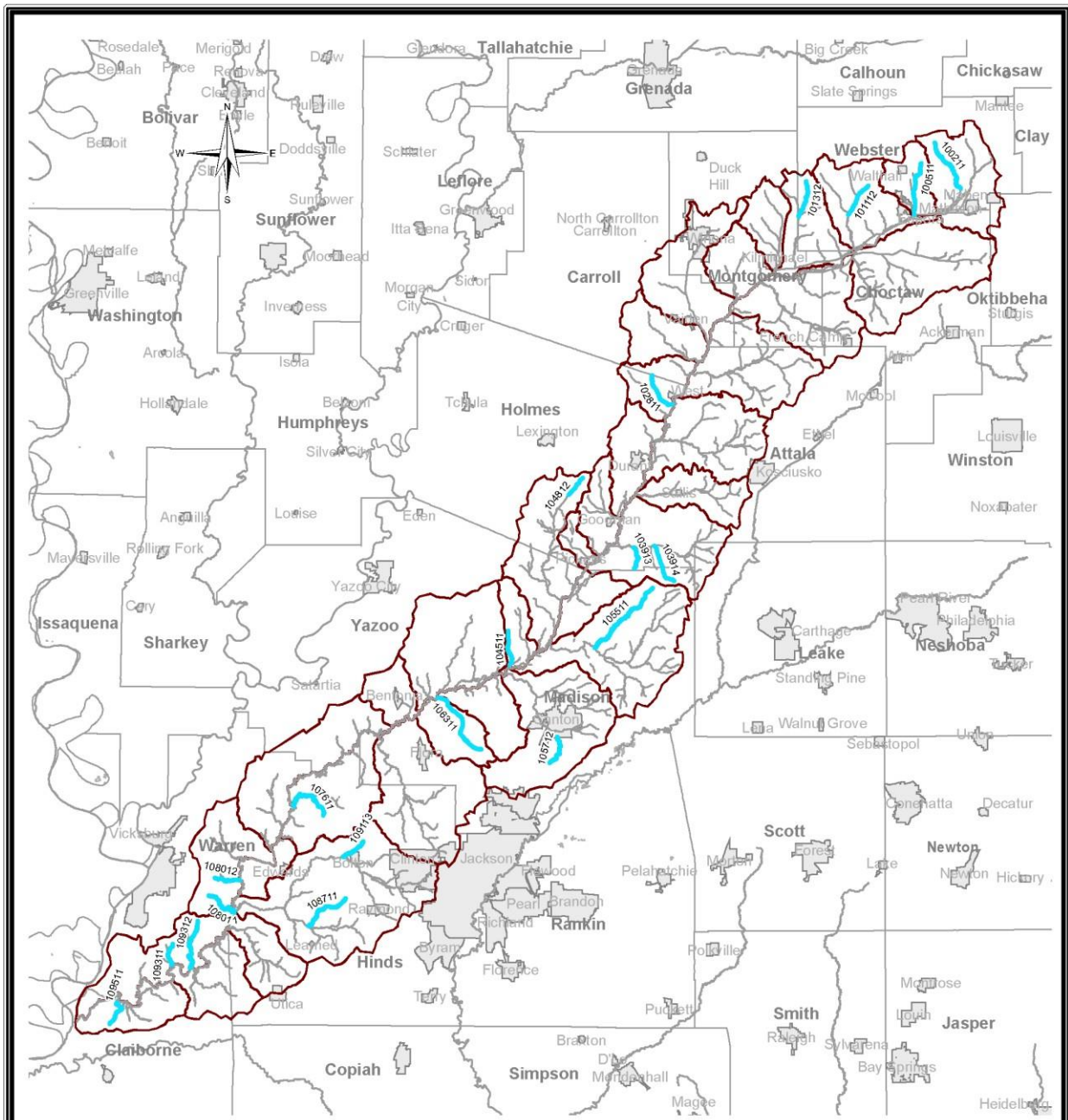
MDEQ. 2006. *NRCS State Watershed Map and Table*. Office of Pollution Control.

MDEQ. 2012. *State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters*. Office of Pollution Control.

MDEQ. 2006. *USGS and MDEQ State 12 Digit Watershed Atlas*. Office of Pollution Control.

# APPENDIX A. ATLAS

Maps are included in Appendix A for each basin. Streams shown in blue are impaired streams. In some river basins, the maps were split into 8-digit Hydrologic Unit Codes to better fit the page. Basins with no current listings are not included.



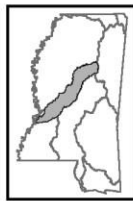
## Impaired Waters Big Black River Basin

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

The Mississippi Department of Environmental Quality makes no warranties, expressed or implied, as to the accuracy, completeness, currentness, reliability, or suitability for any particular purpose, of the data contained on this map.

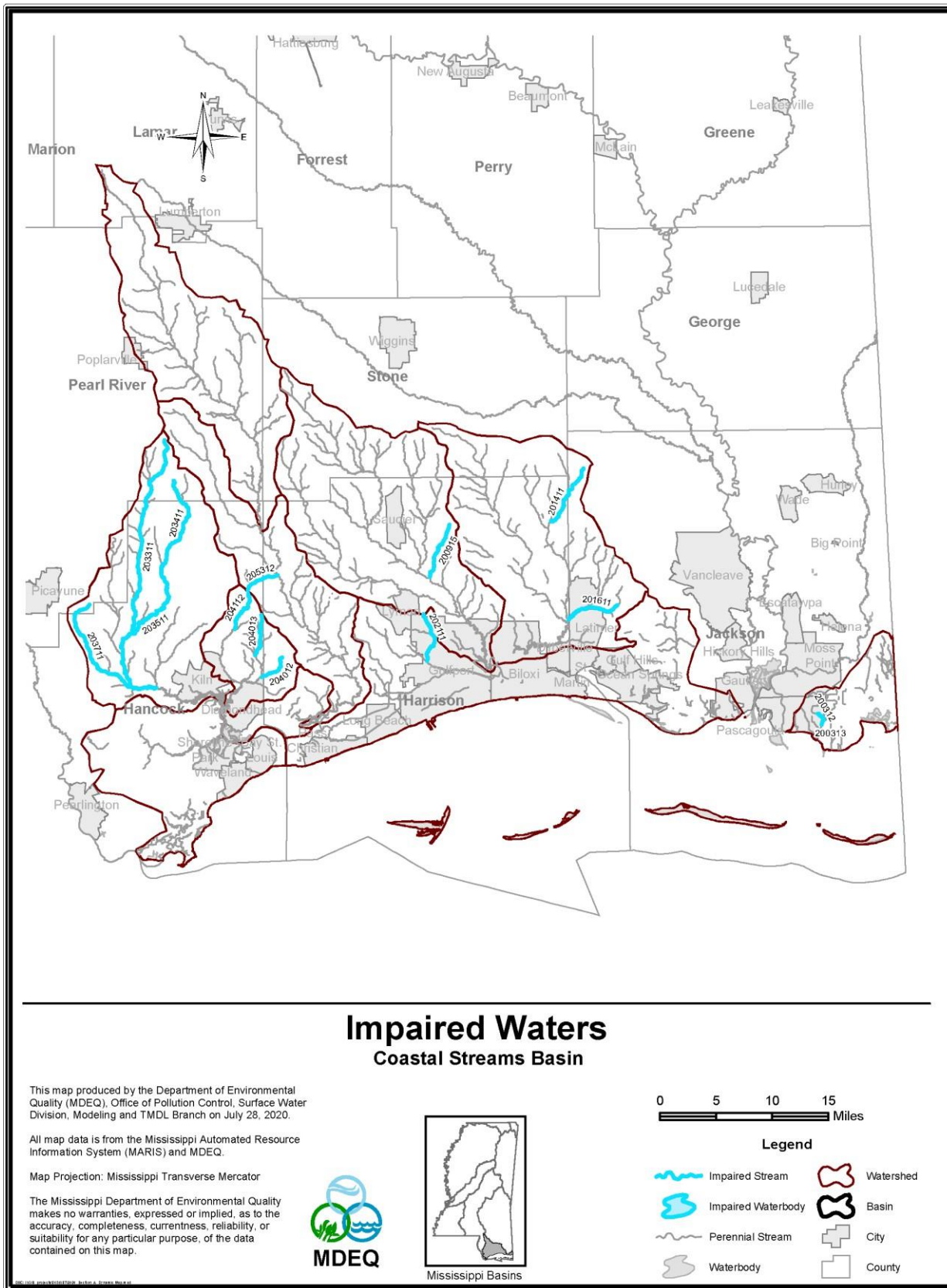


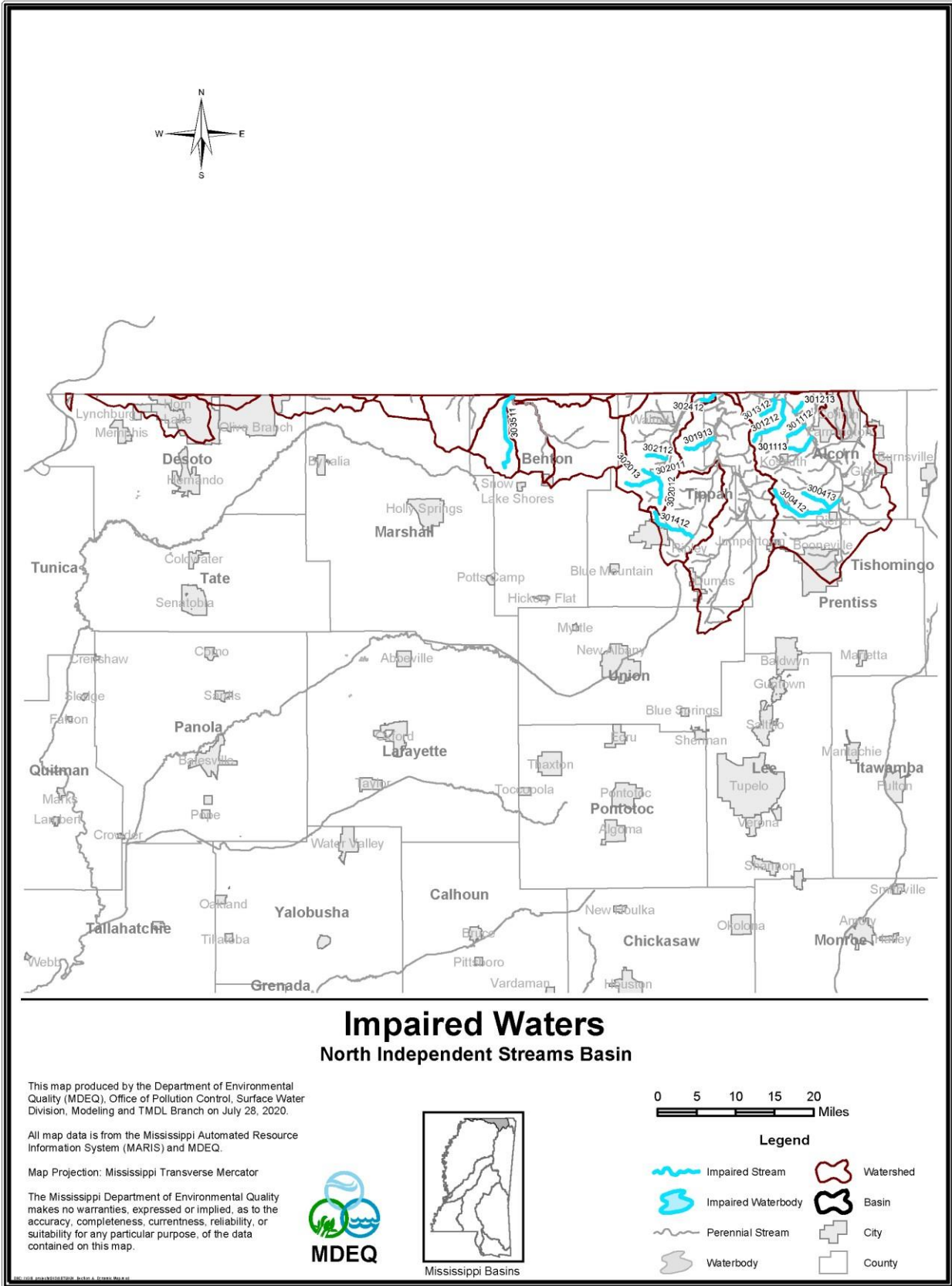
Mississippi Basins

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Miles

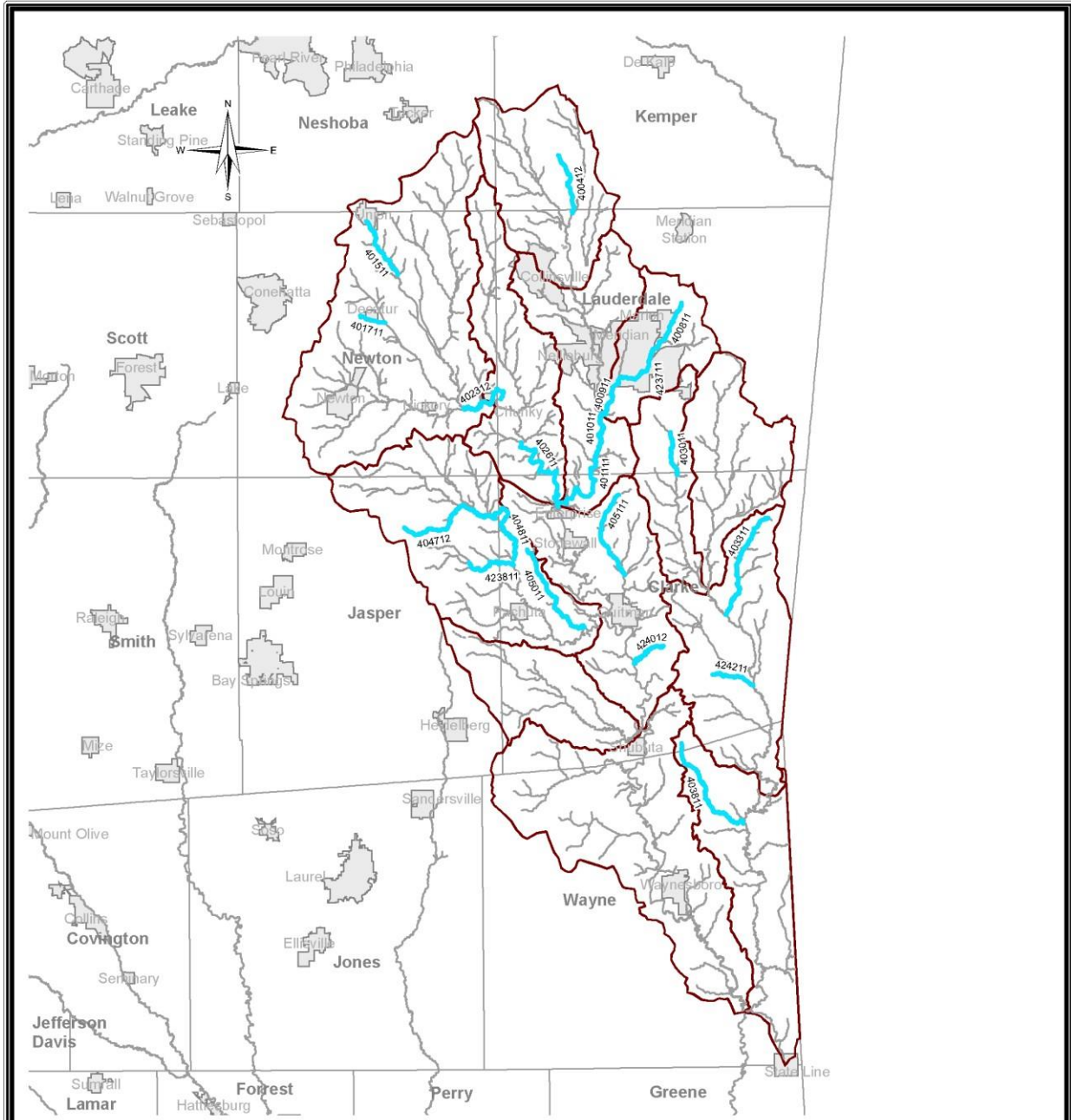
### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County









## Impaired Waters

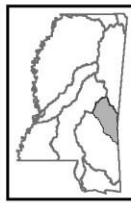
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This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

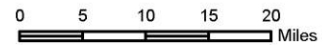
All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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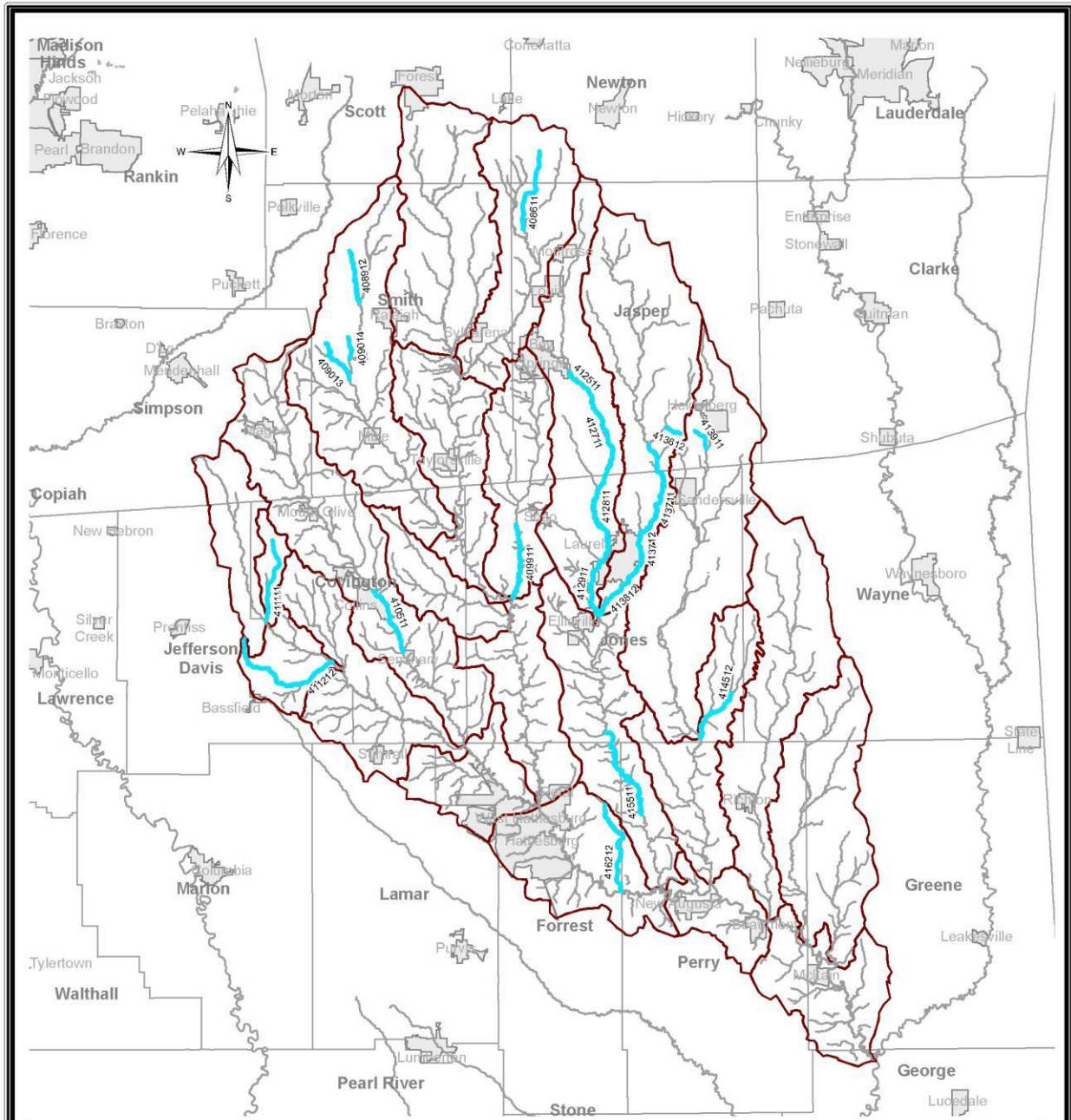


Mississippi Basins



### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County



## Impaired Waters

Pascagoula River Basin HUCs 03170004 and 03170005

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

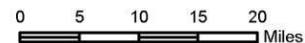
All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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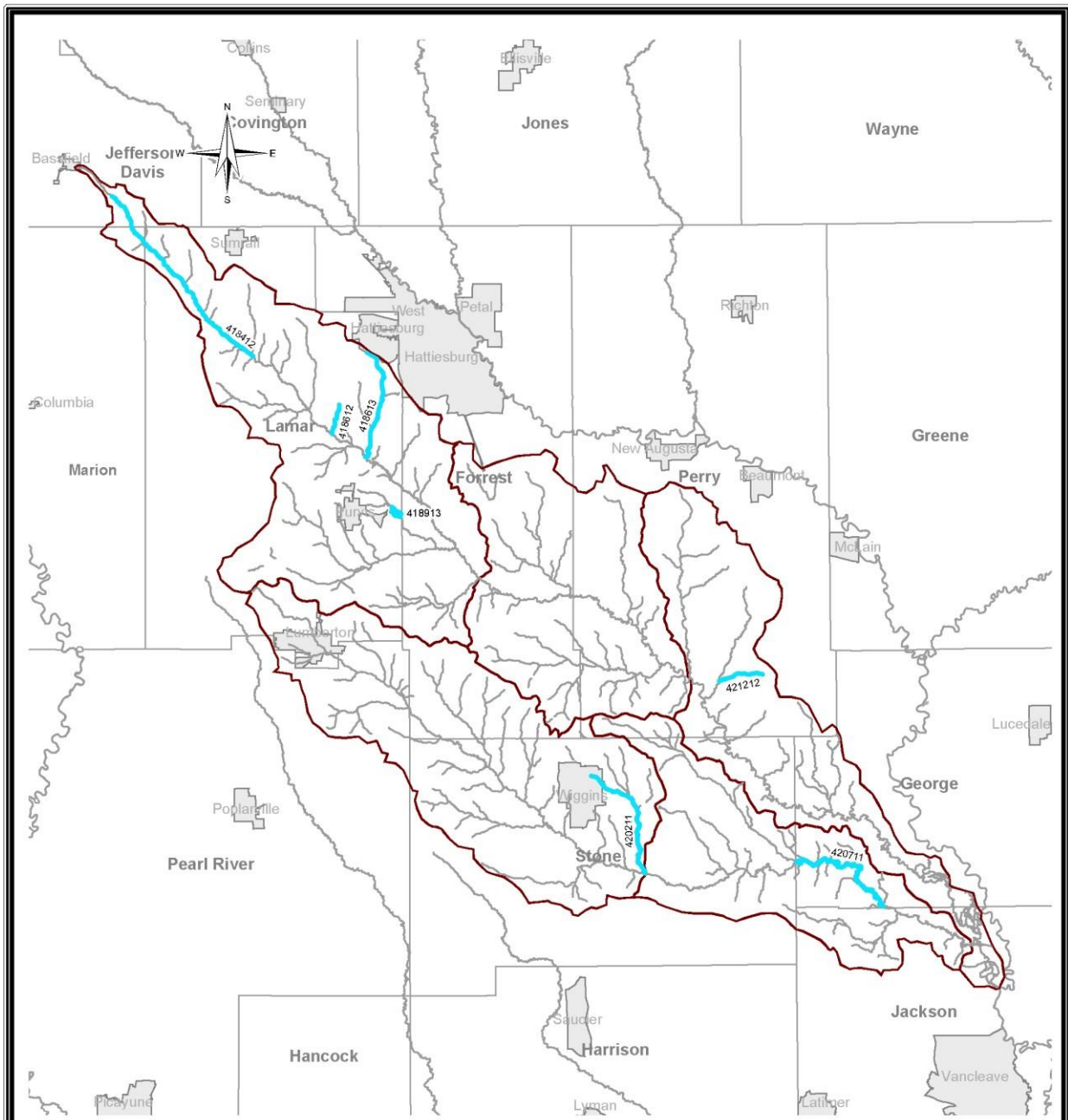


Mississippi Basins



### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County



## Impaired Waters

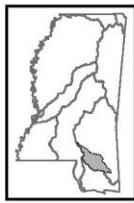
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This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

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Map Projection: Mississippi Transverse Mercator

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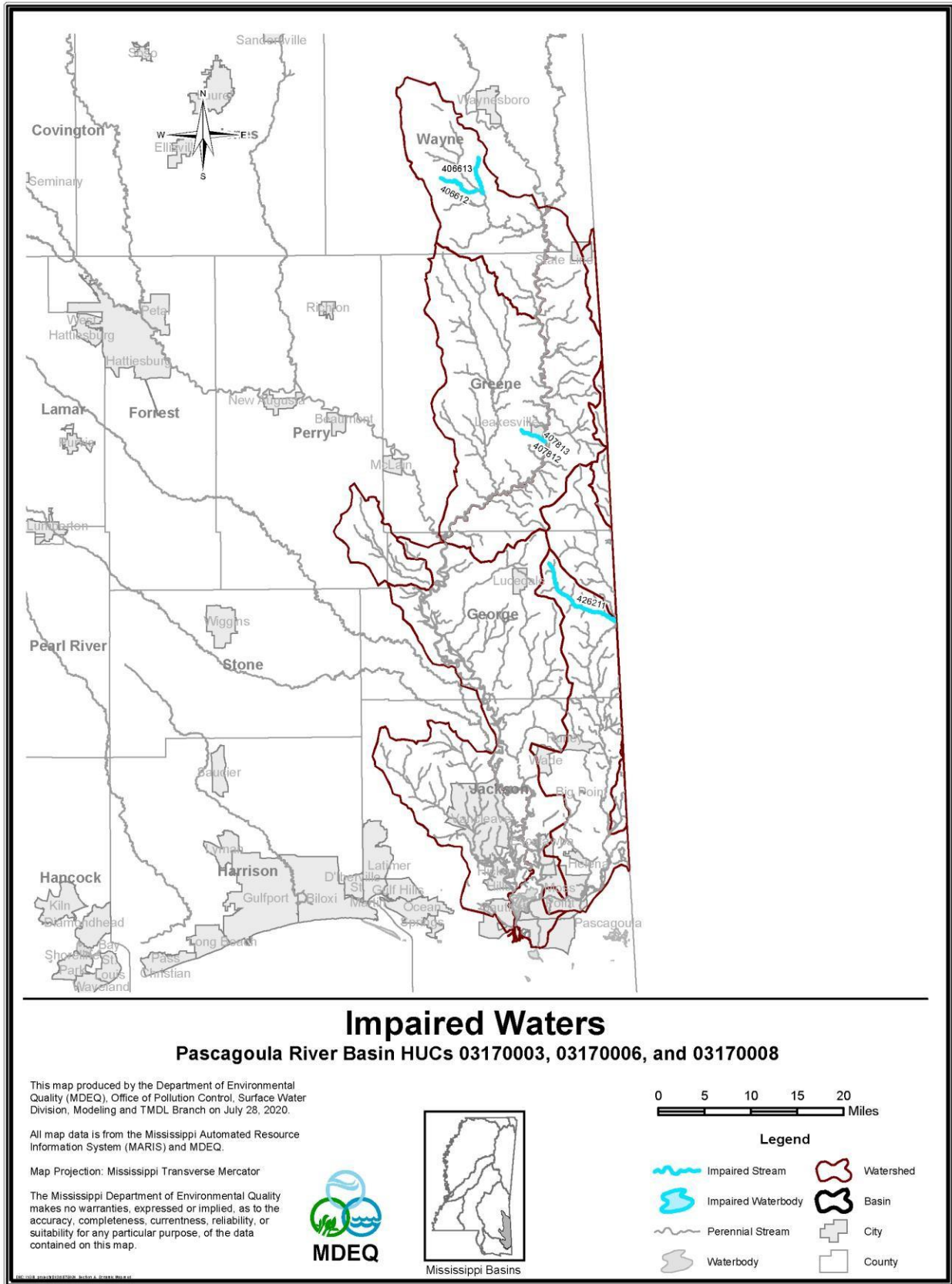


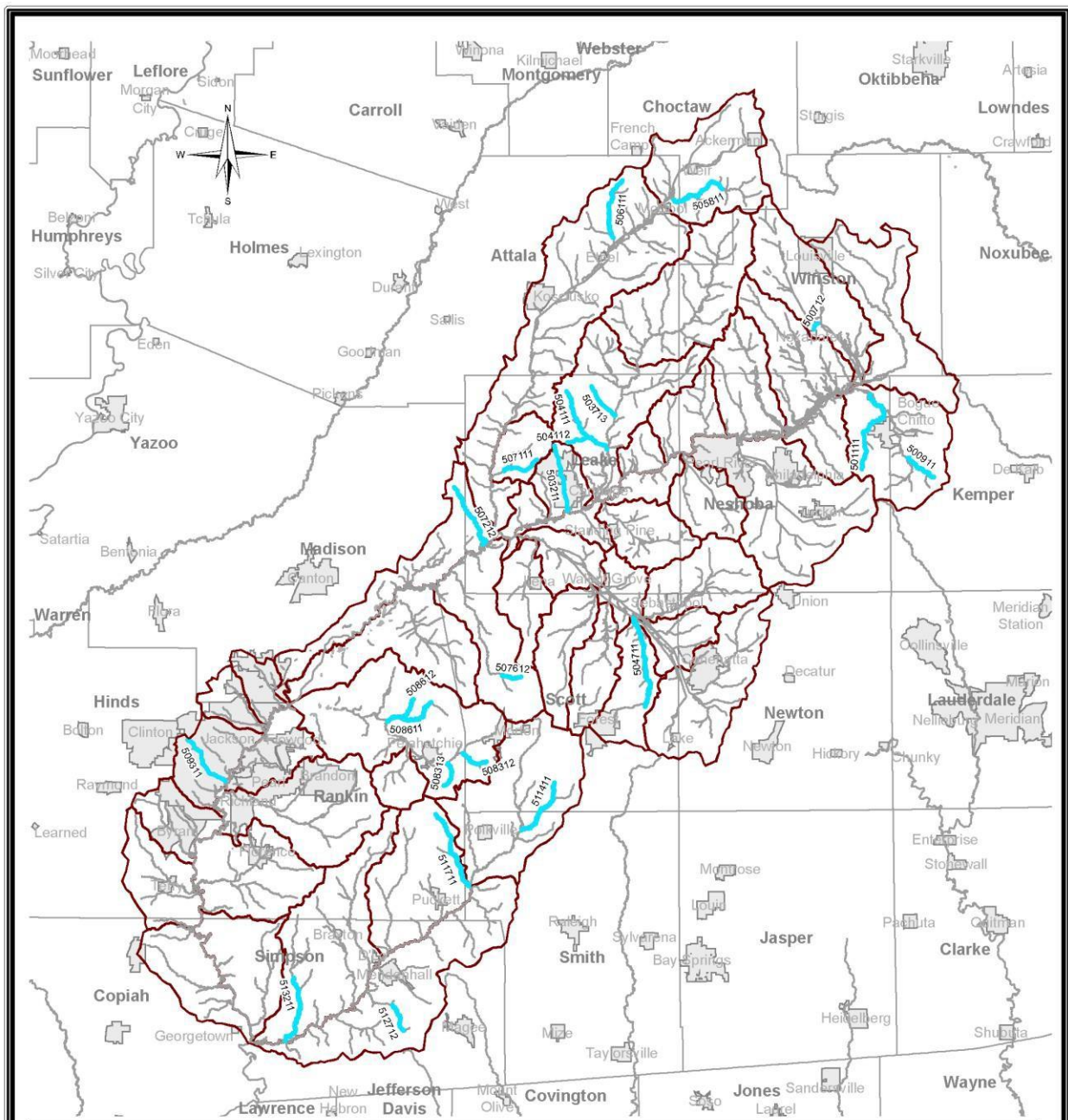
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#### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County







## Impaired Waters

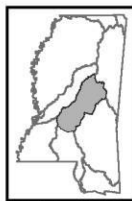
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This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

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Map Projection: Mississippi Transverse Mercator

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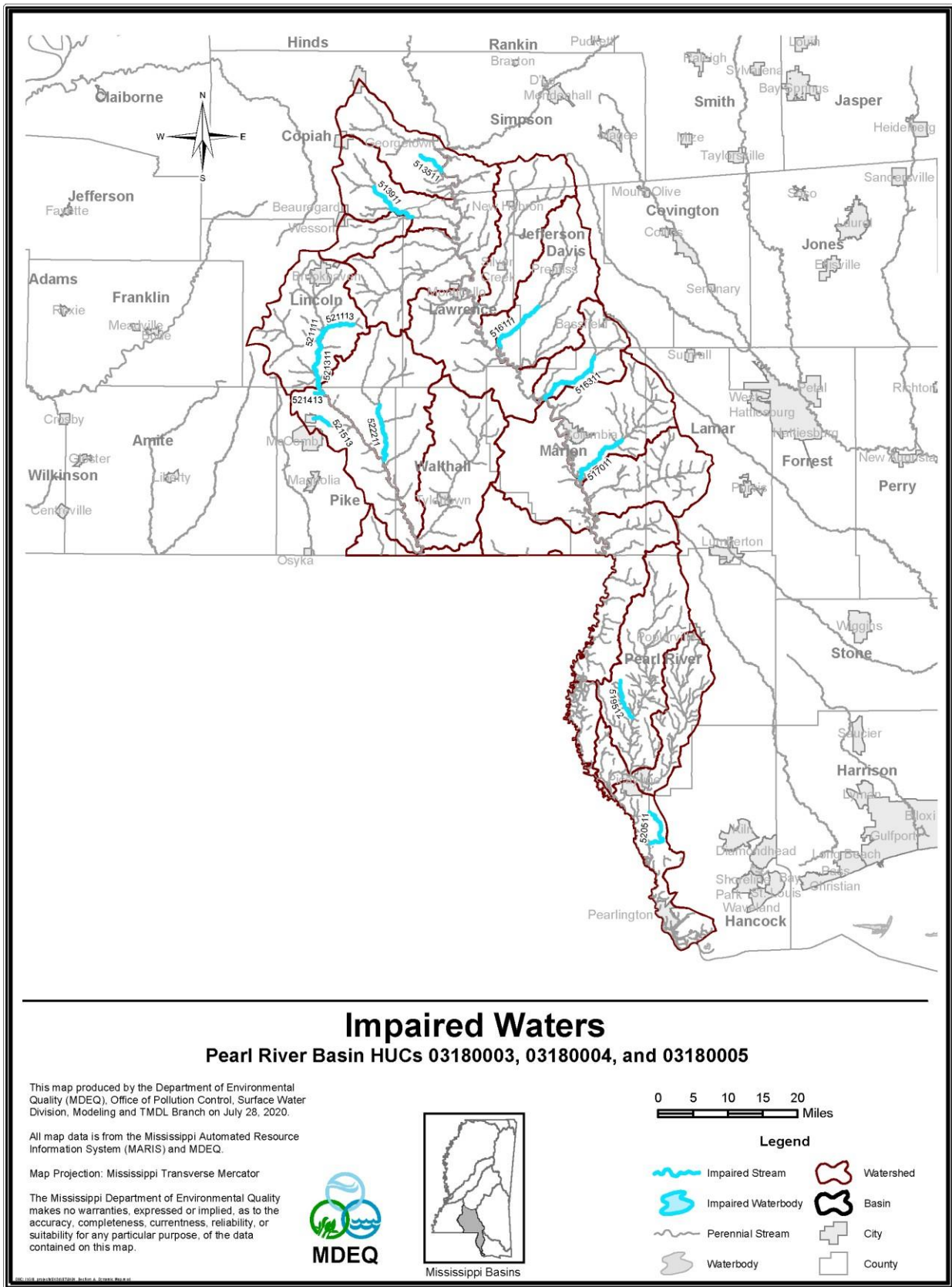


Mississippi Basins

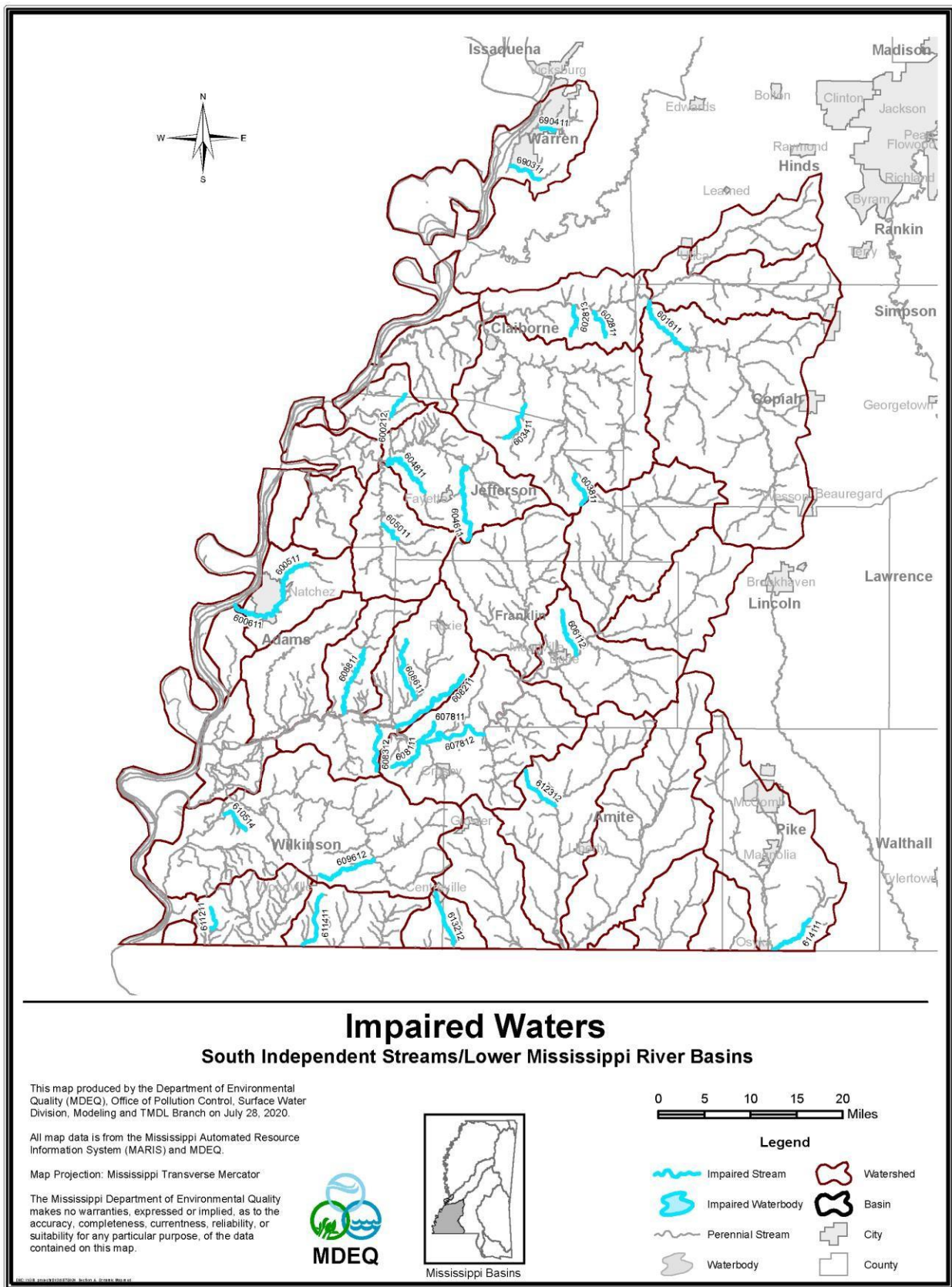
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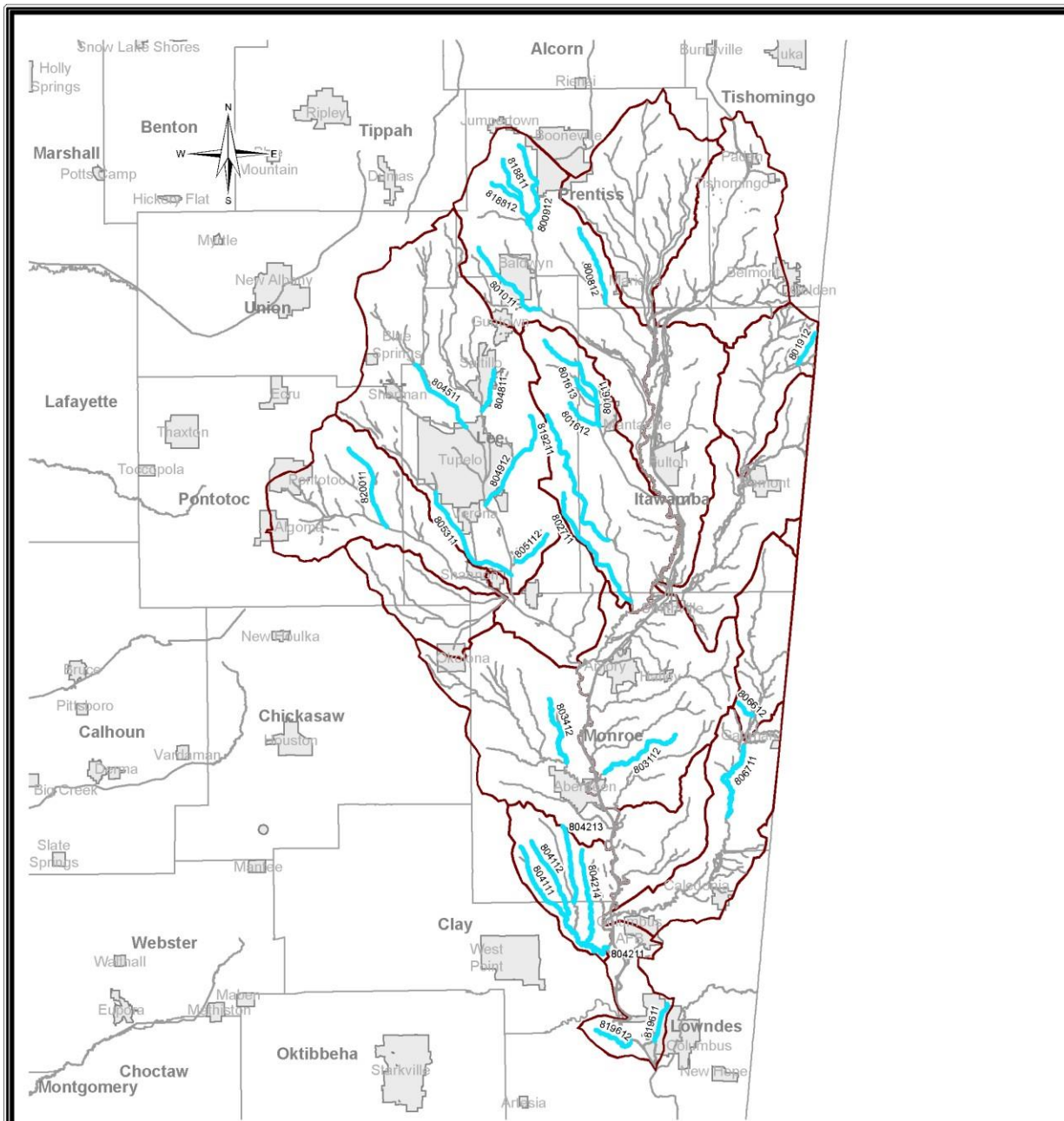
#### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County









## Impaired Waters

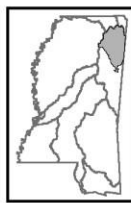
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This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

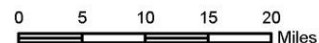
All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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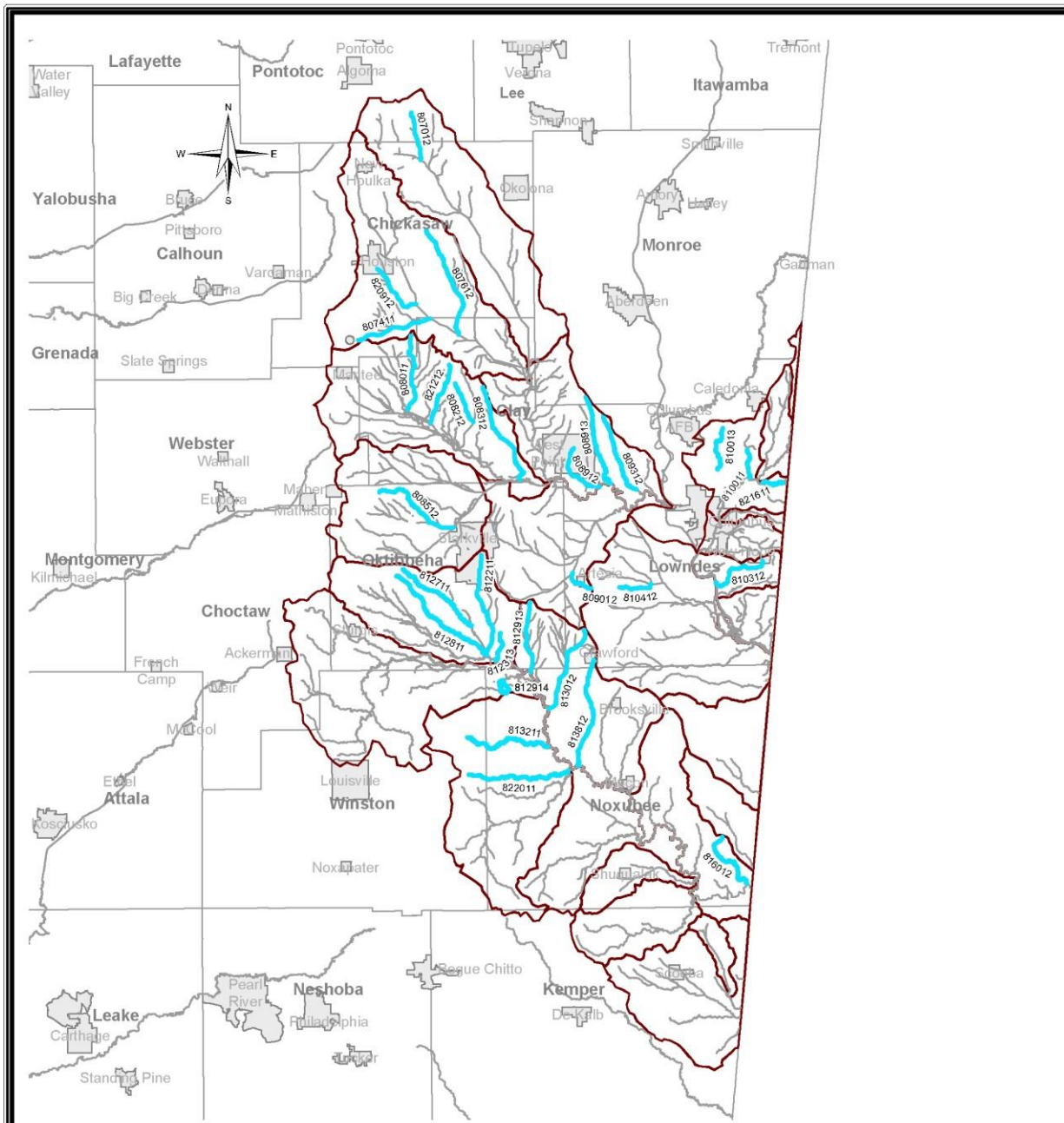


Mississippi Basins



### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County



## Impaired Waters

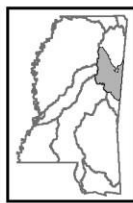
Tombigbee River Basin HUCs 03160104, 03160105, 03160106, and 03160108

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

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Map Projection: Mississippi Transverse Mercator

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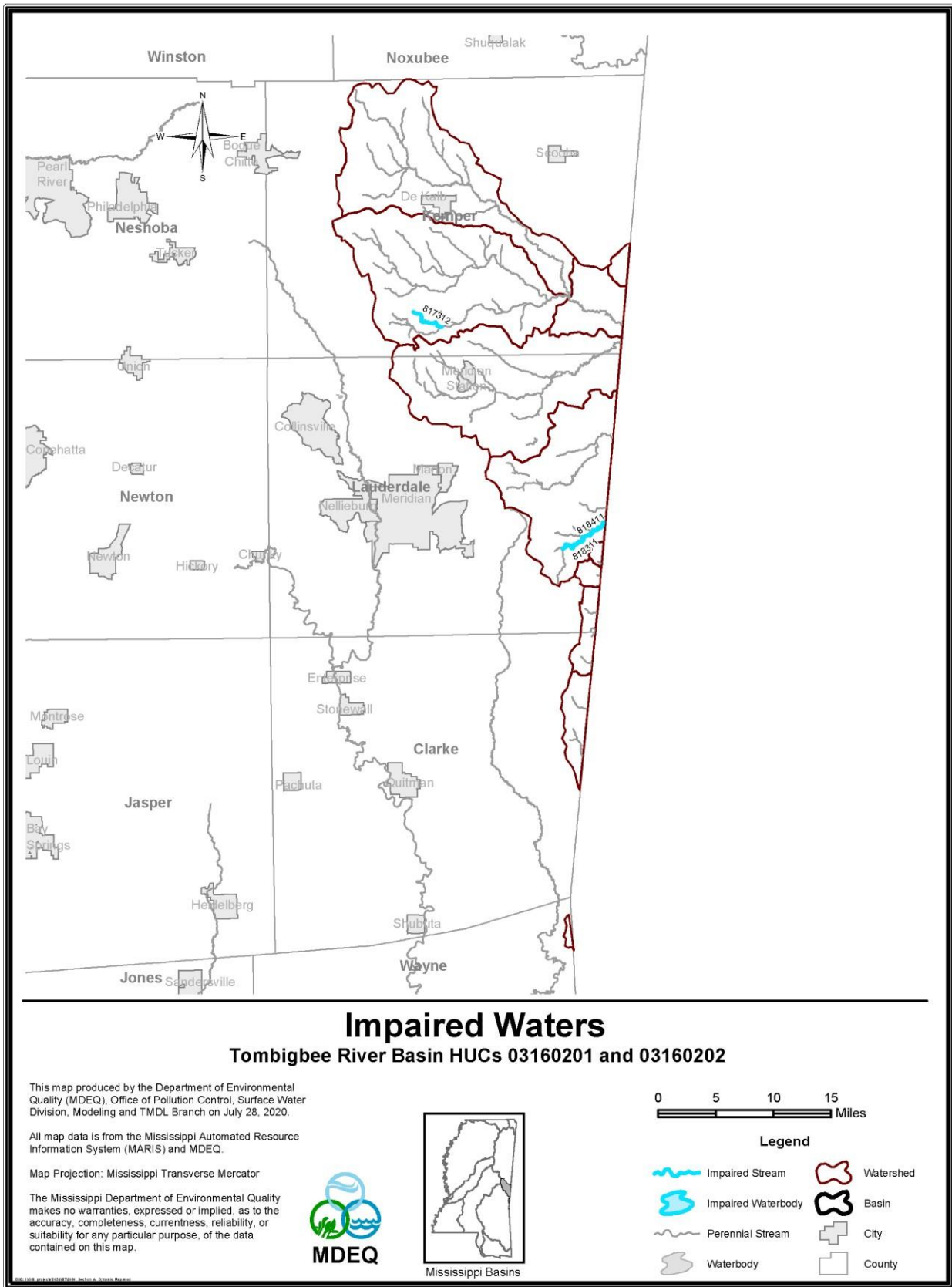
Mississippi Basins

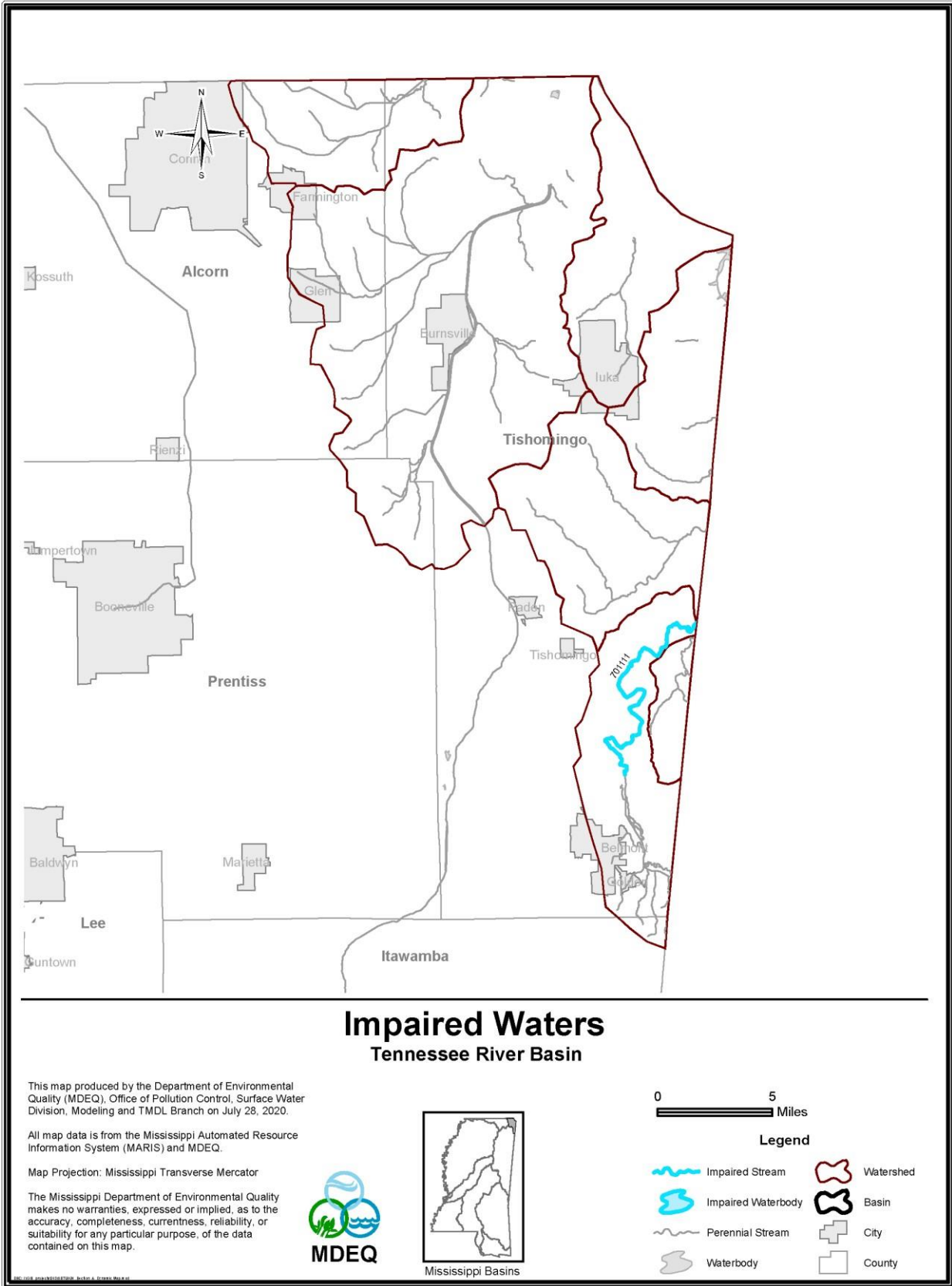
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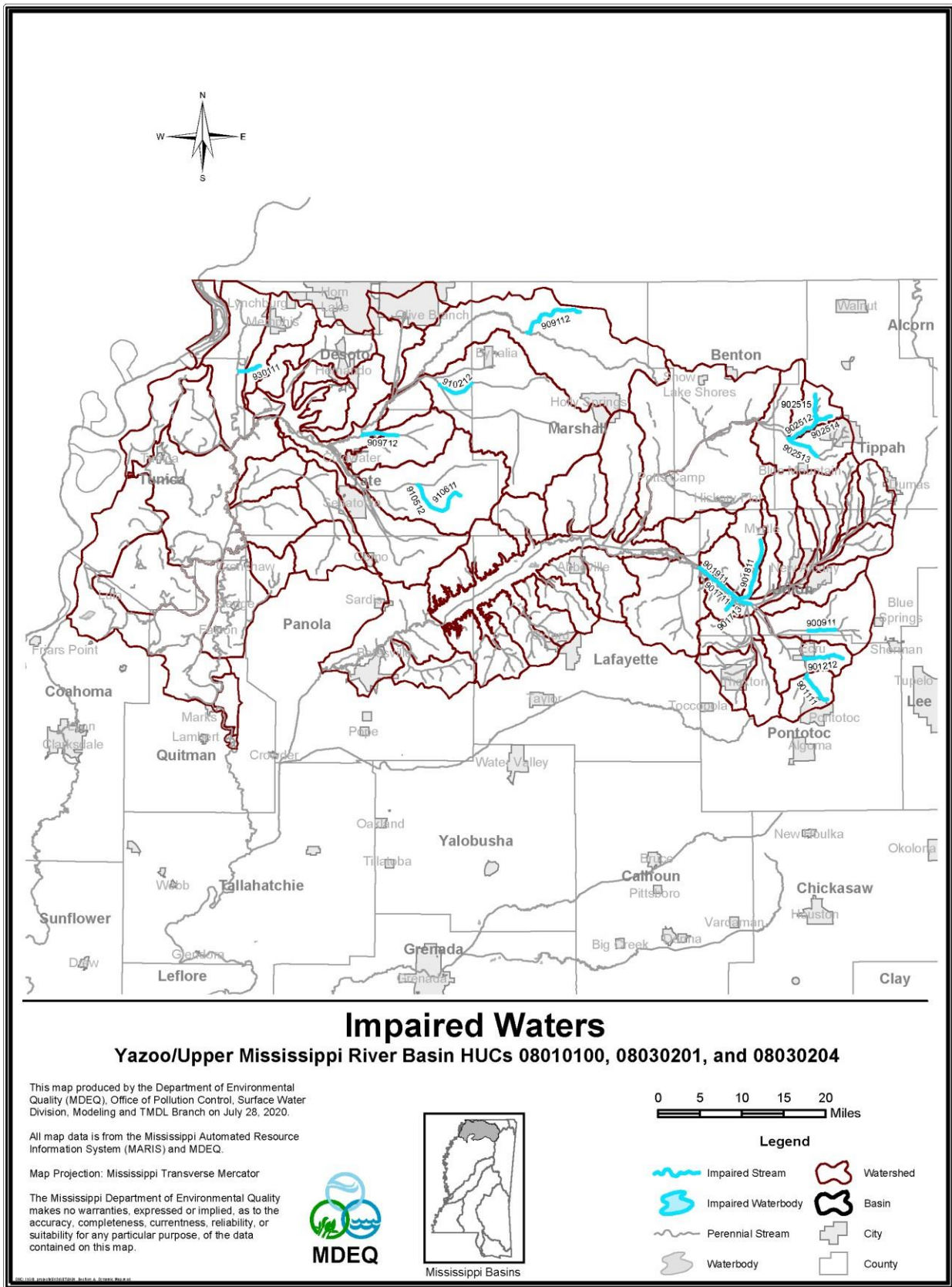
- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County

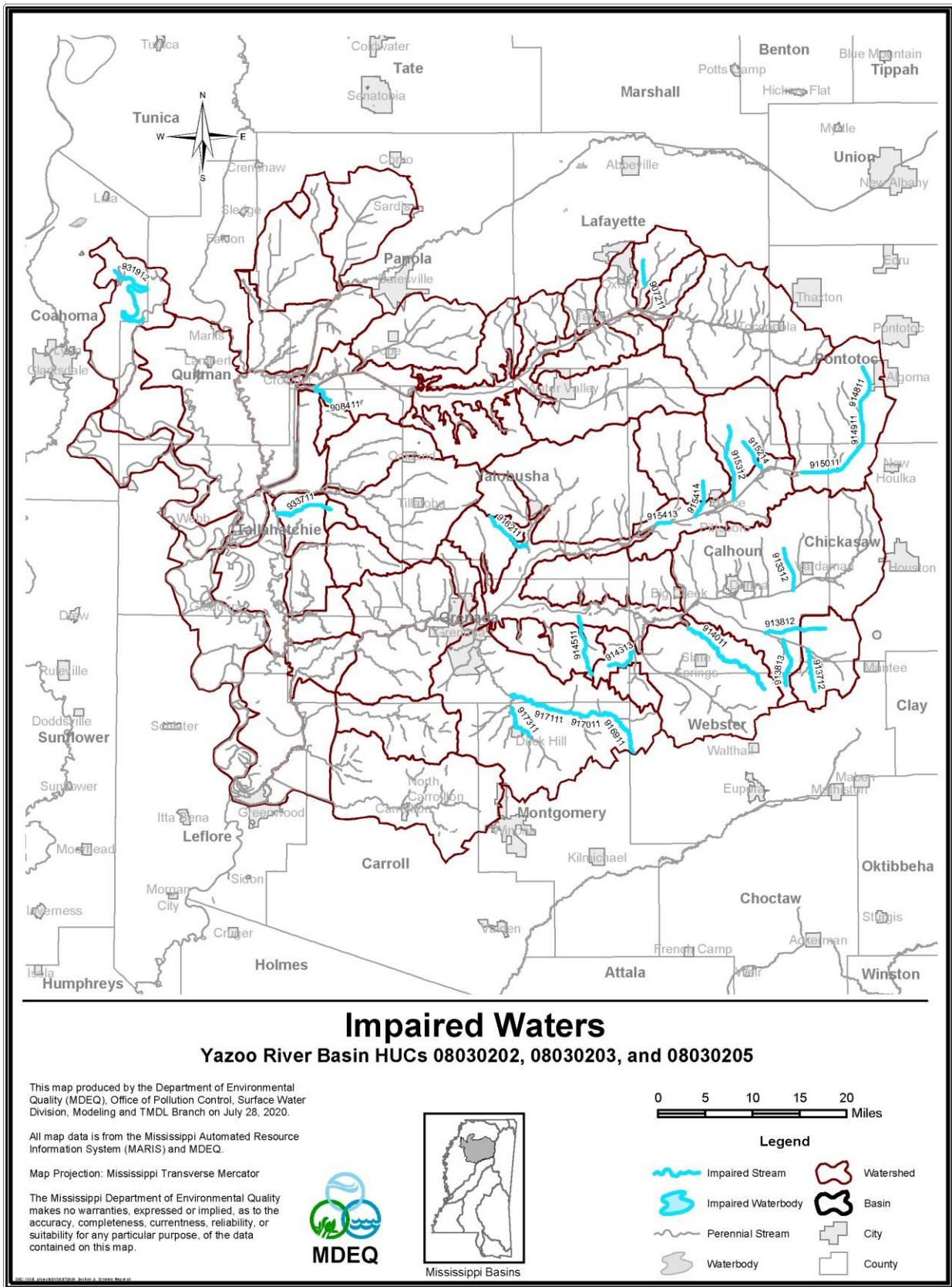




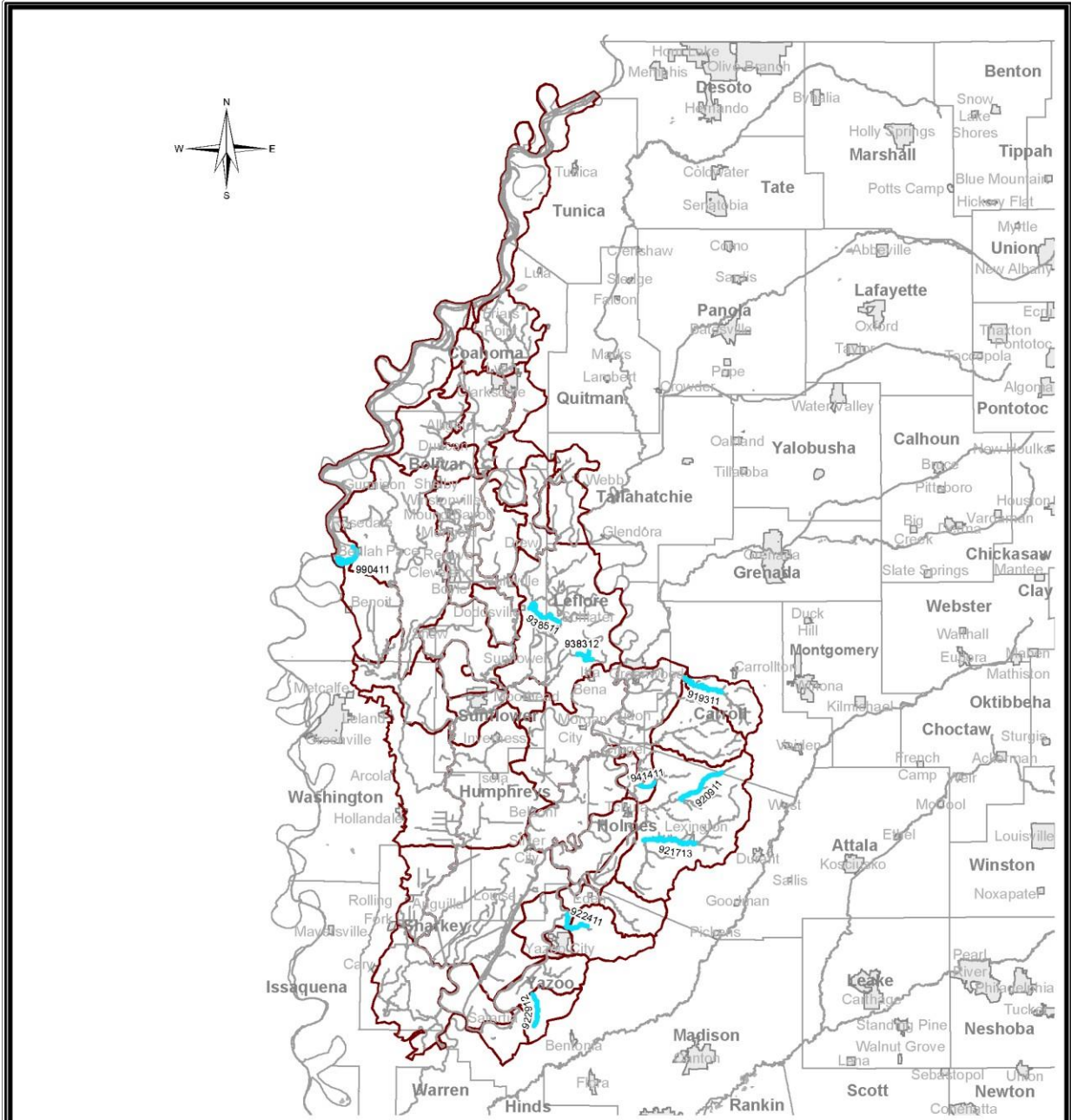












## Impaired Waters

Yazoo/Upper Mississippi River Basin HUCs 08020100, 08030206, and 08030207

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

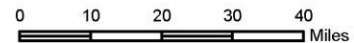
All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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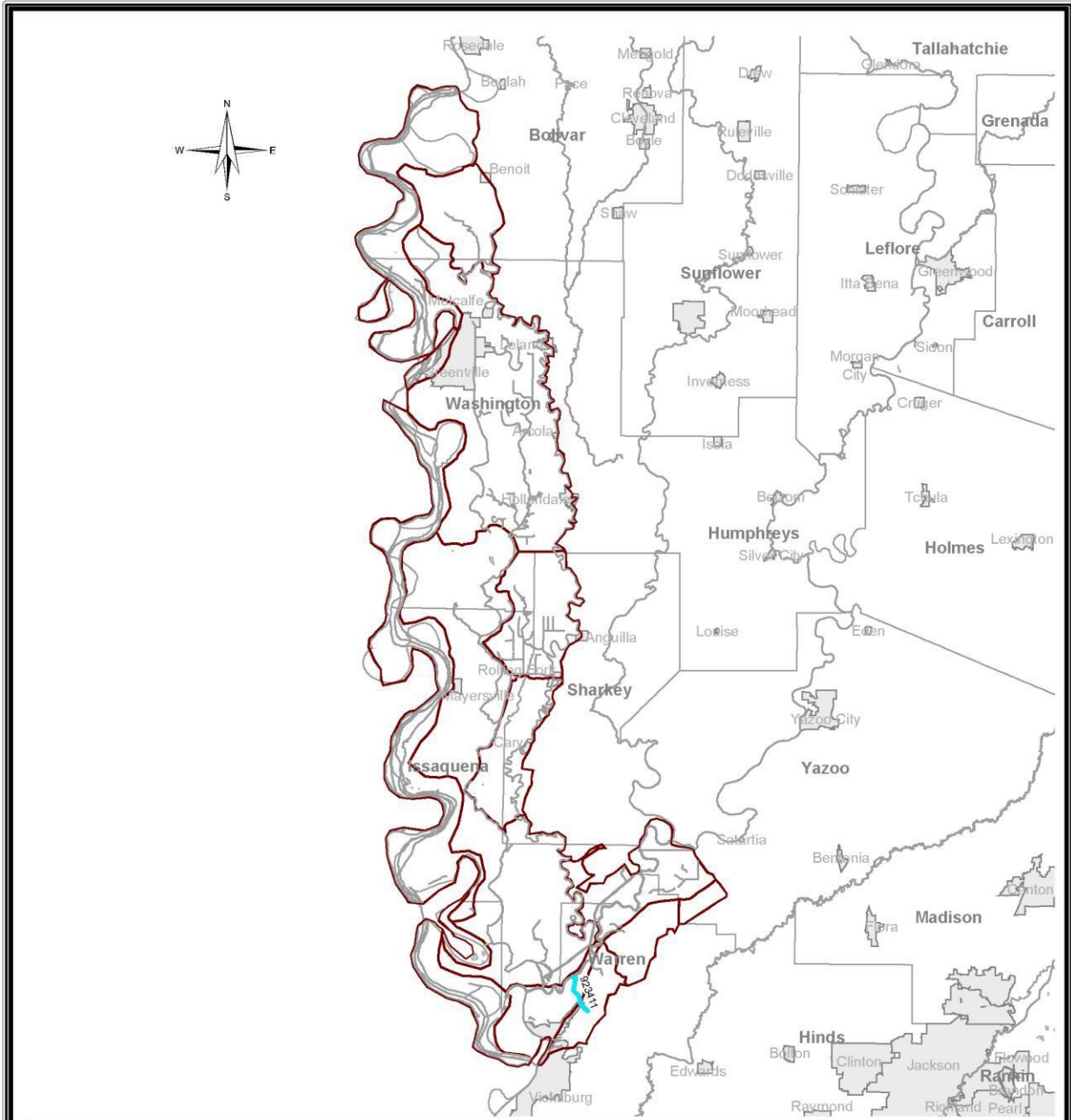


Mississippi Basins



### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County



## Impaired Waters

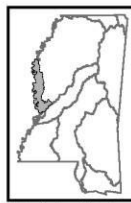
Yazoo/Upper Mississippi River Basin HUCs 08030100, 08030208, and 08030209

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Modeling and TMDL Branch on July 28, 2020.

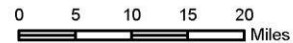
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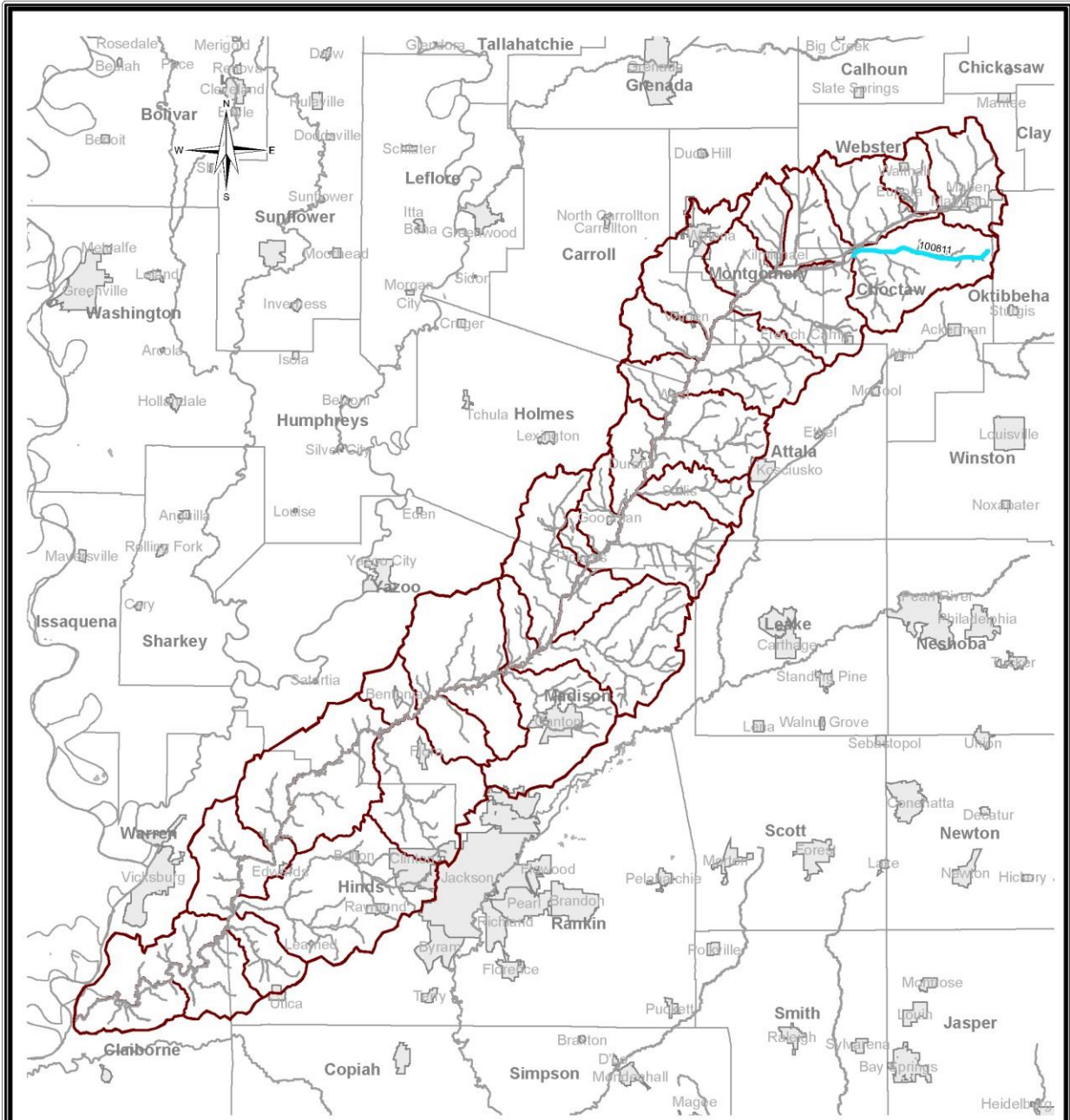
Mississippi Basins



### Legend

- Impaired Stream
- Impaired Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County

## **APPENDIX B. ATLAS OF TMDL SUCCESSES**



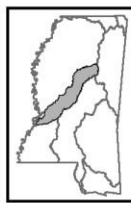
## TMDL Successes Big Black River Basin

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Standards, Modeling, and TMDL Branch on July 29, 2020.

All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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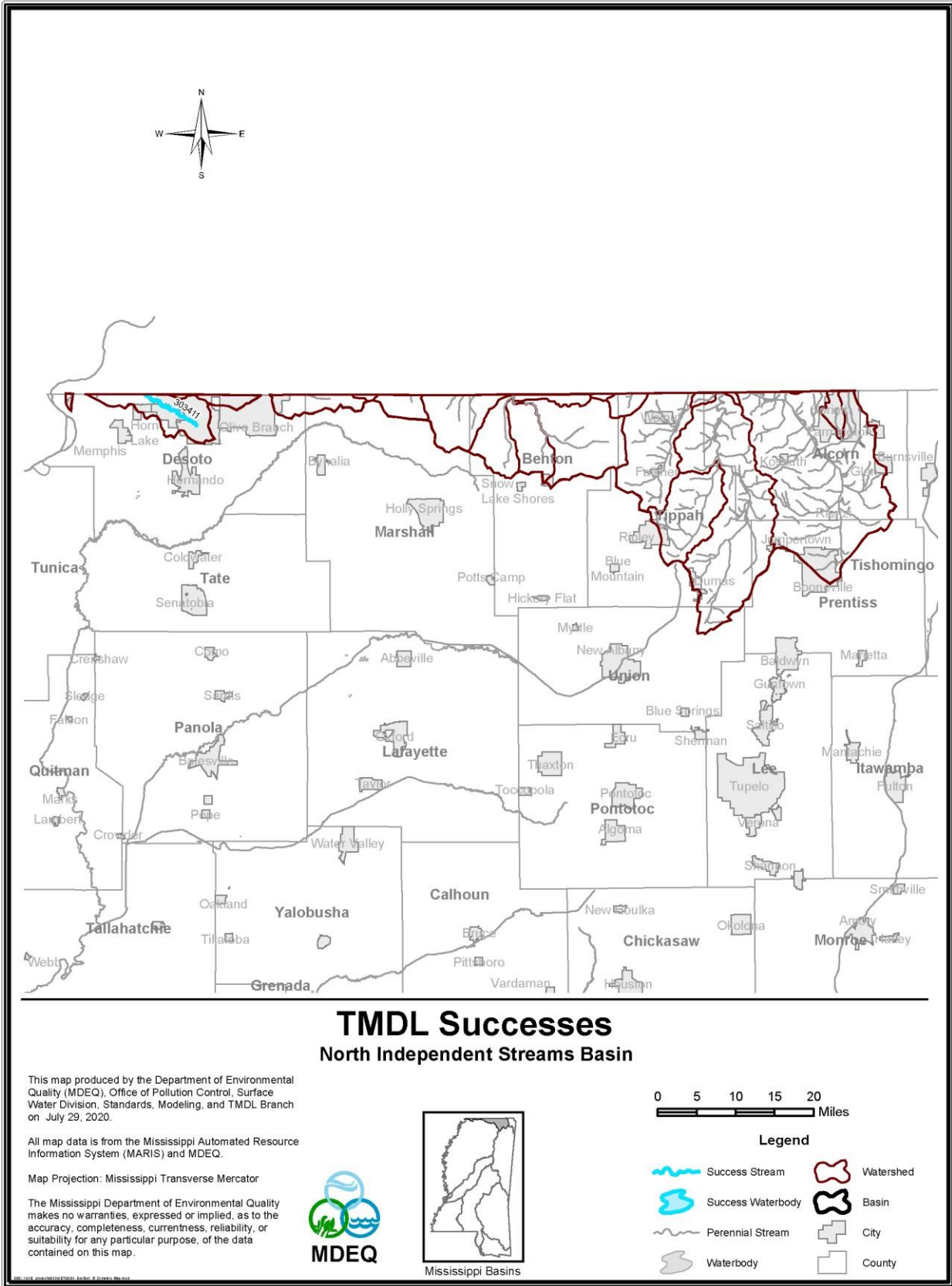
Mississippi Basins

0 5 10 15 20  
Miles

### Legend

- Success Stream
- Success Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County













## TMDL Successes

### Pascagoula River Basin HUC 03170007

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Map Projection: Mississippi Transverse Mercator

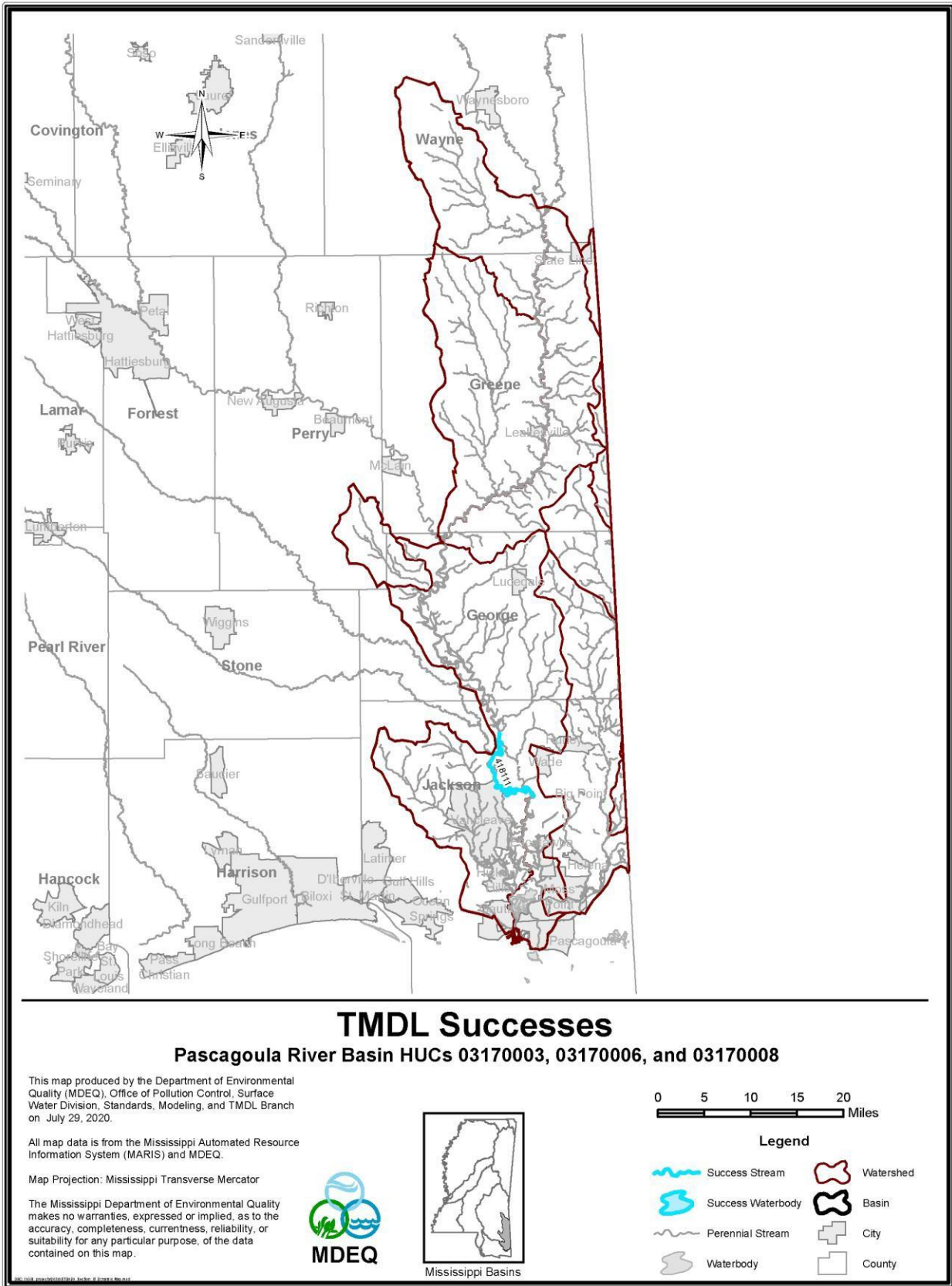
The Mississippi Department of Environmental Quality makes no warranties, expressed or implied, as to the accuracy, completeness, currentness, reliability, or suitability for any particular purpose, of the data contained on this map.



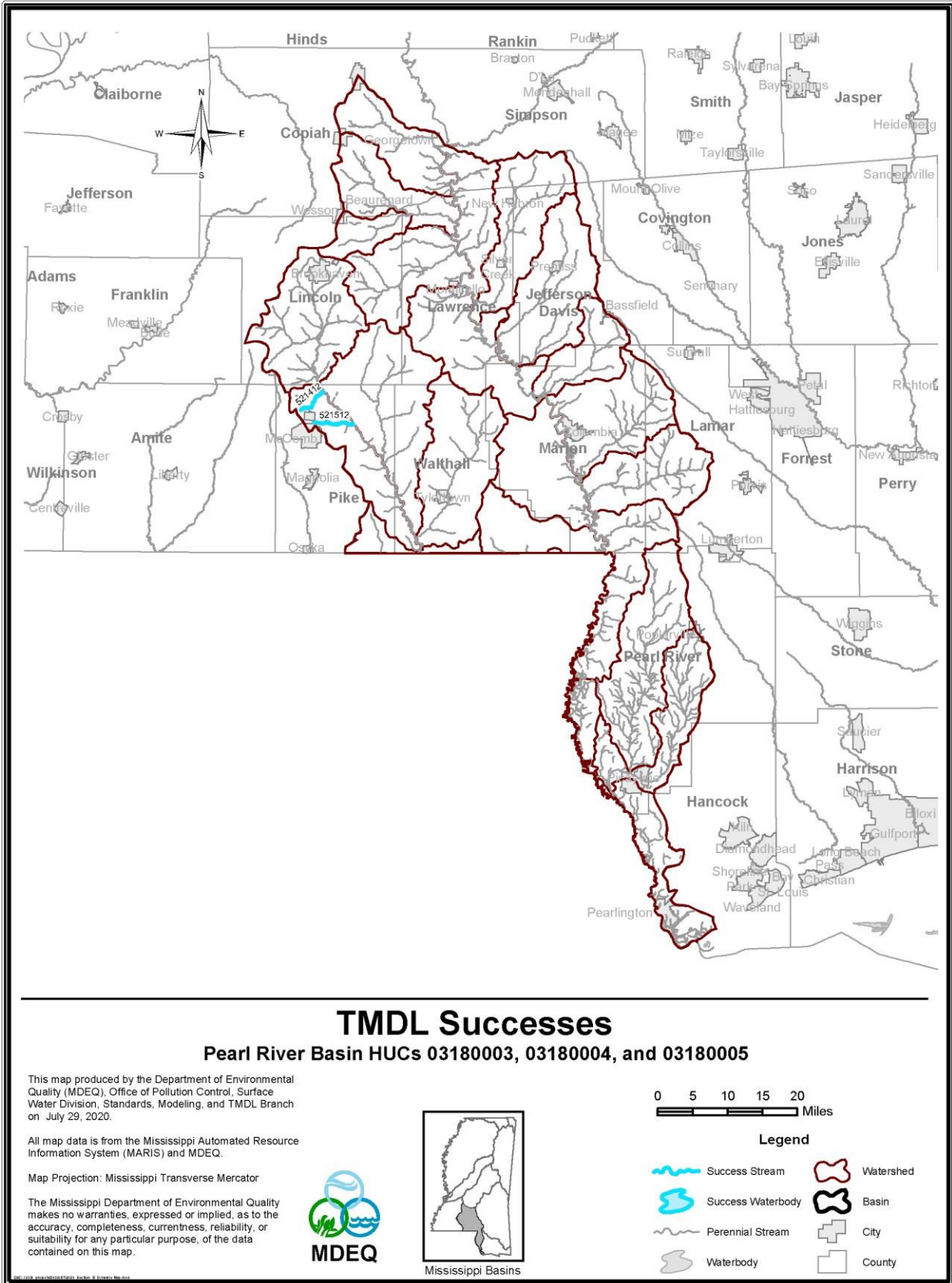
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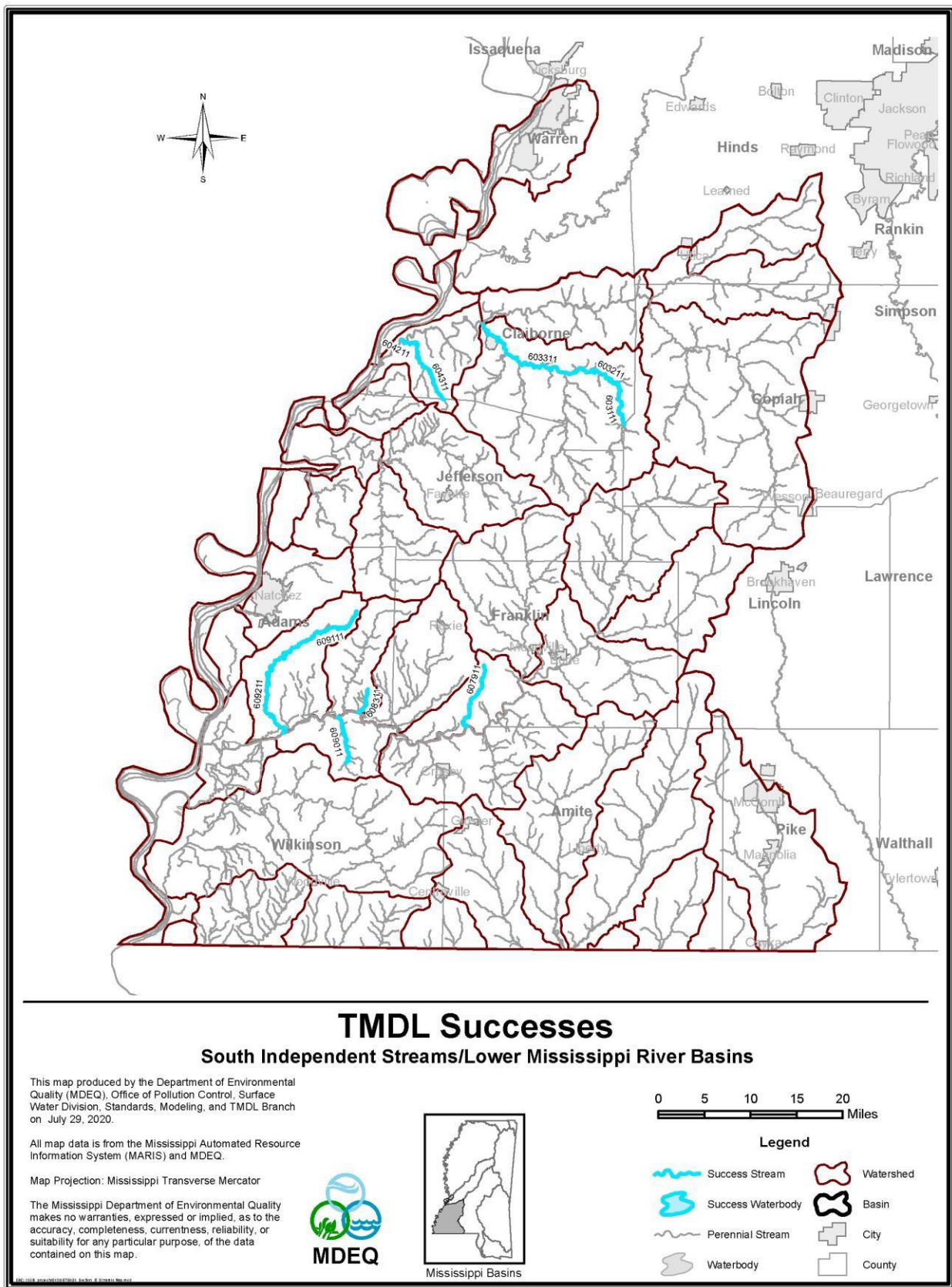
#### Legend

- Success Stream
- Success Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County

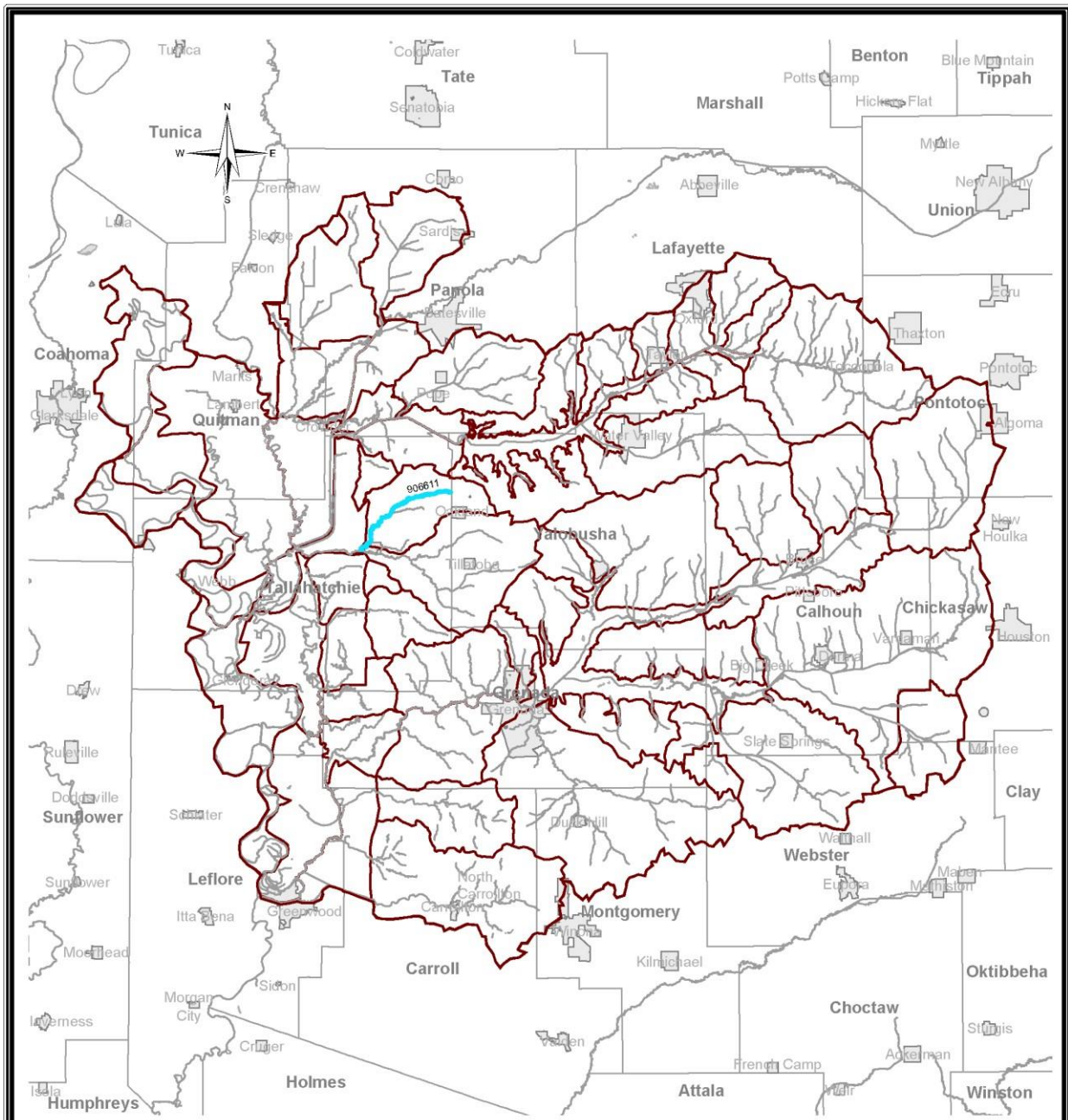












## TMDL Successes

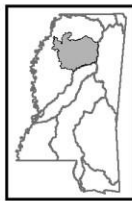
Yazoo River Basin HUCs 08030202, 08030203, and 08030205

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Standards, Modeling, and TMDL Branch on July 29, 2020.

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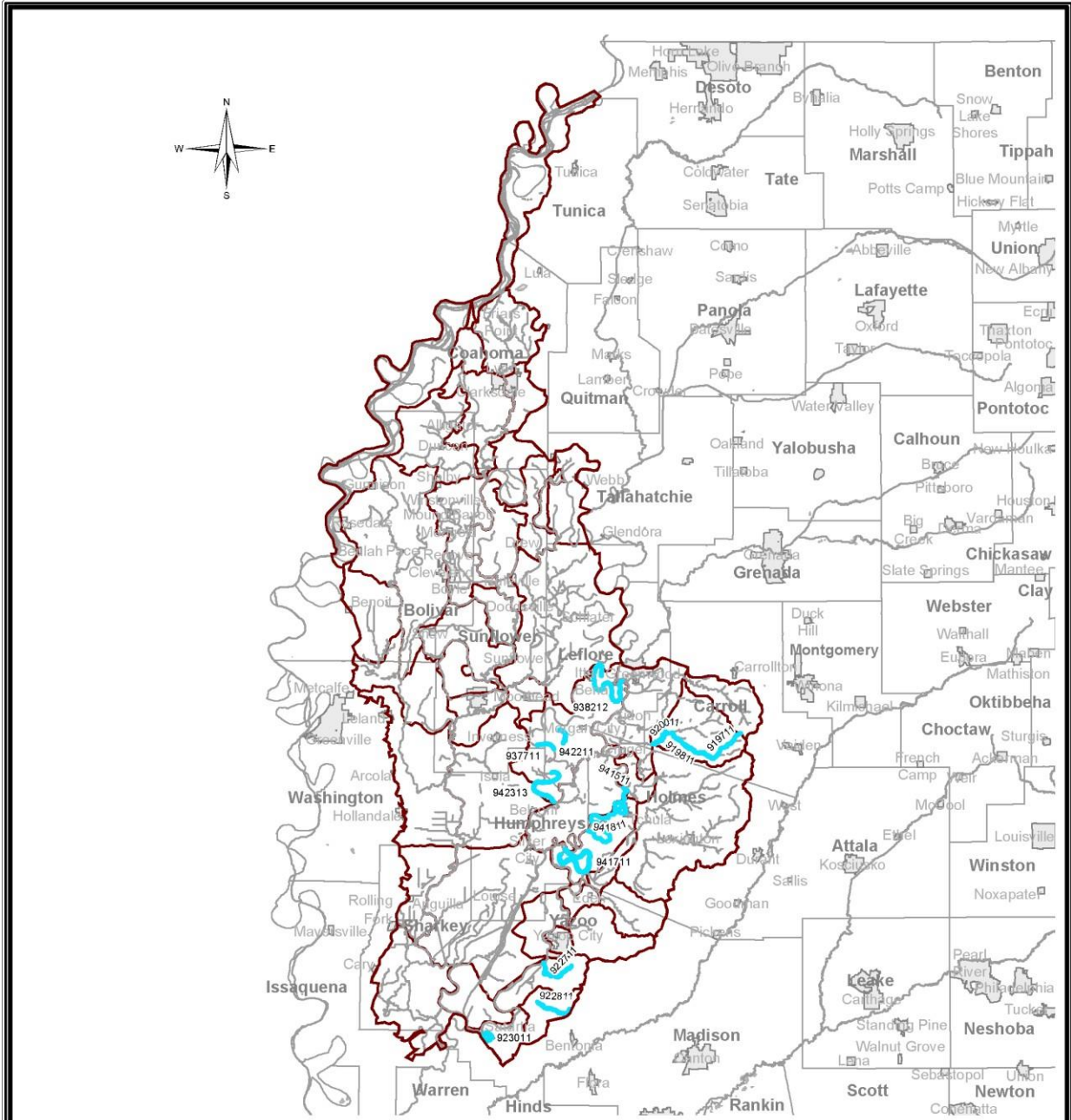


Mississippi Basins

0 5 10 15 20 Miles

### Legend

- |  |                   |  |           |
|--|-------------------|--|-----------|
|  | Success Stream    |  | Watershed |
|  | Success Waterbody |  | Basin     |
|  | Perennial Stream  |  | City      |
|  | Waterbody         |  | County    |



## TMDL Successes

Yazoo/Upper Mississippi River Basin HUCs 08020100, 08030206, and 08030207

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Standards, Modeling, and TMDL Branch on July 29, 2020.

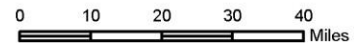
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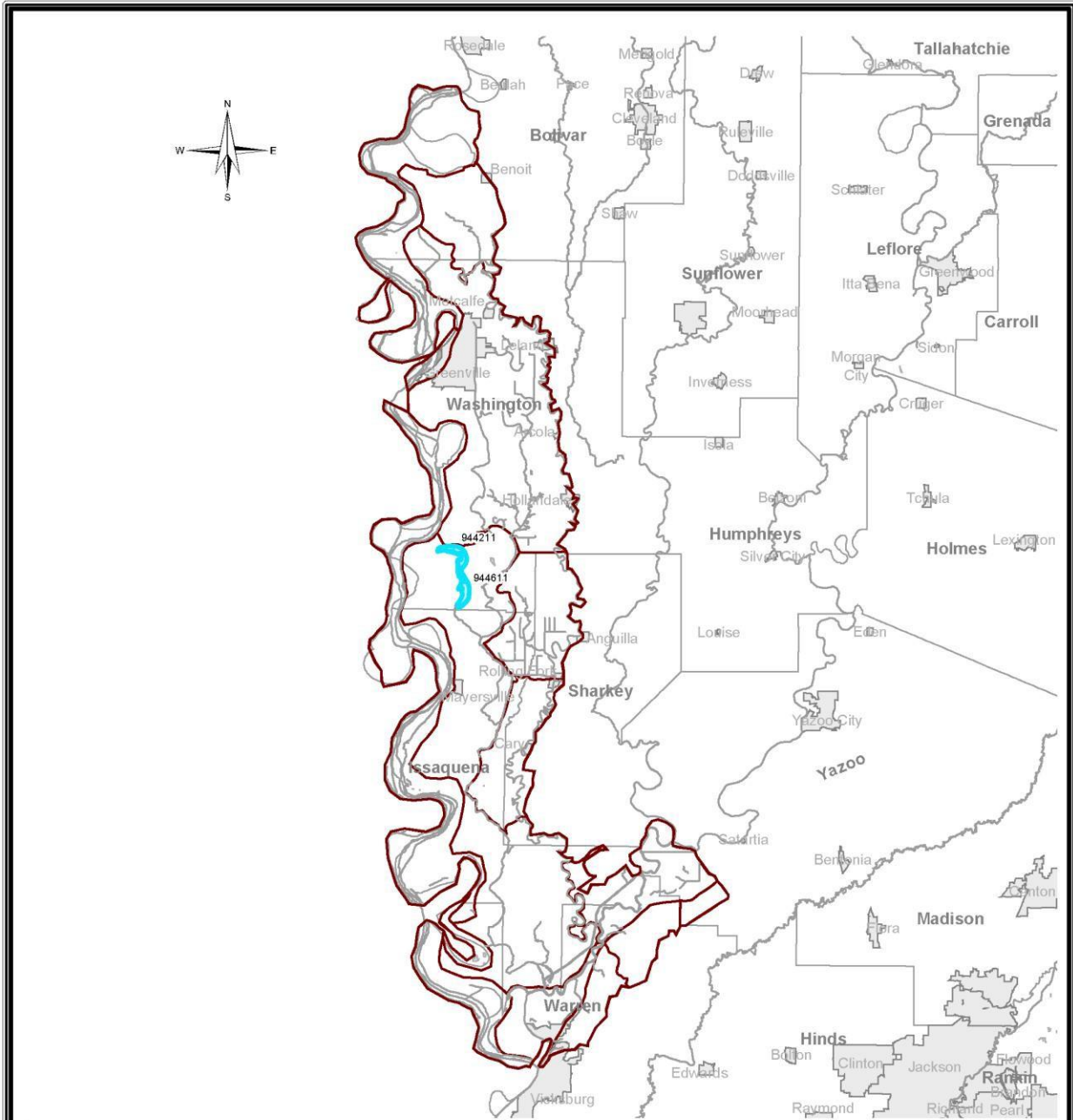


Mississippi Basins



### Legend





## TMDL Successes

Yazoo/Upper Mississippi River Basin HUCs 08030100, 08030208, and 08030209

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Surface Water Division, Standards, Modeling, and TMDL Branch on July 29, 2020.

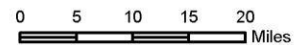
All map data is from the Mississippi Automated Resource Information System (MARIS) and MDEQ.

Map Projection: Mississippi Transverse Mercator

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Mississippi Basins



### Legend

- Success Stream
- Success Waterbody
- Perennial Stream
- Waterbody
- Watershed
- Basin
- City
- County